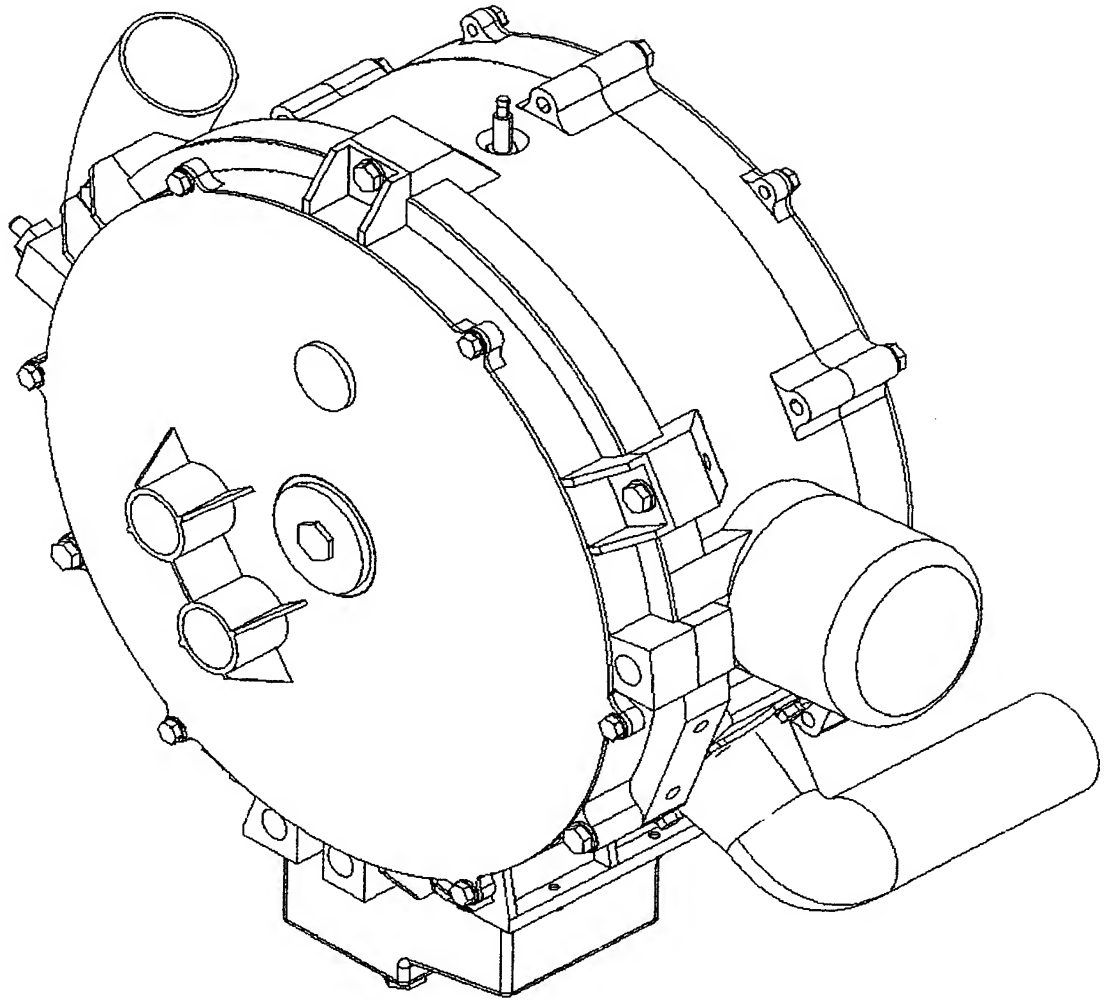


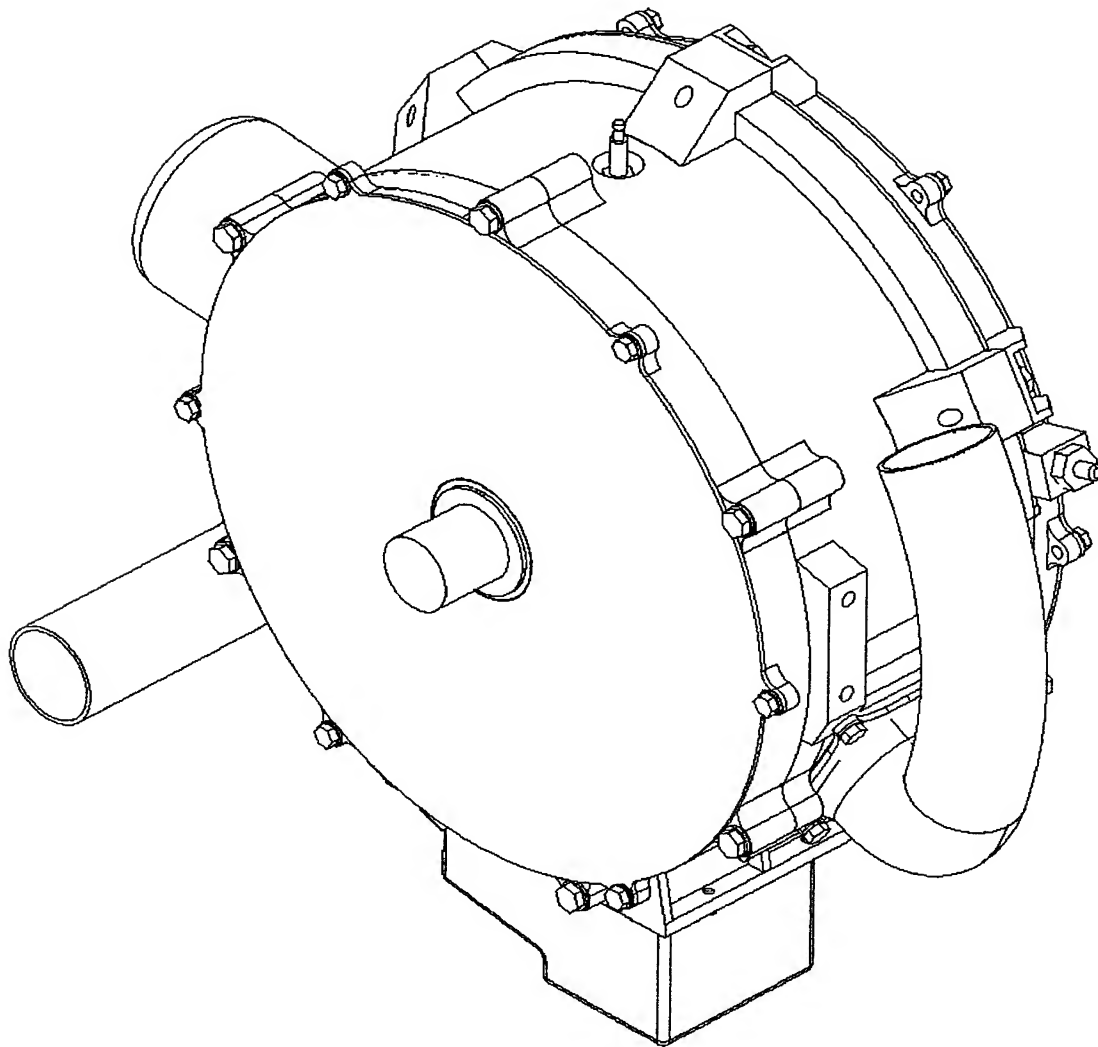
1/76



FRONT VIEW OF COMPLETE ROTARY ENGINE

FIG. 1a

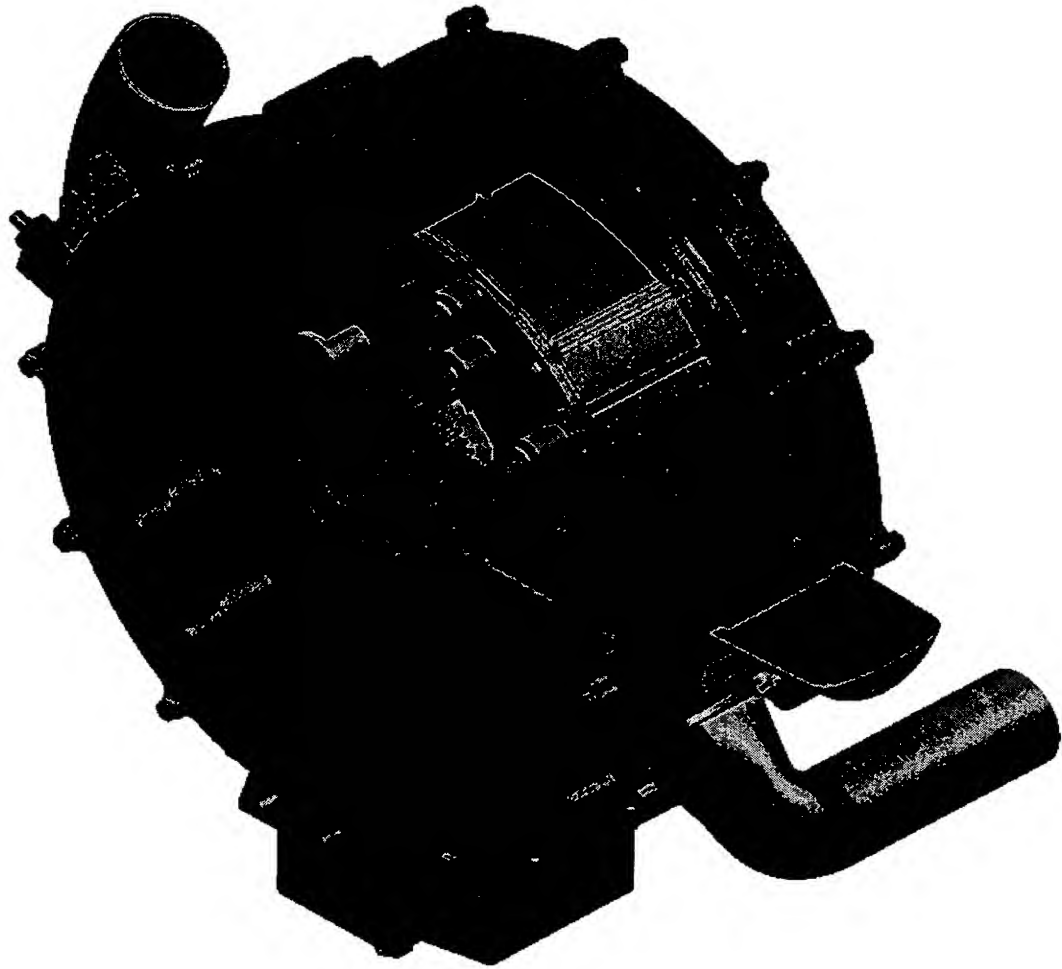
2/76



REAR VIEW OF COMPLETE ROTARY ENGINE

FIG. 1b

3/76



CUTAWAY VIEW OF ROTARY ENGINE

FIG. 2

# ROTARY ENGINE PARTS LIST

4/76

| ASSEMBLY                      | SUBASSEMBLY             | PART                                     | PART NO. |
|-------------------------------|-------------------------|--|----------|
| ROTOR ASSEMBLY                |                         |  | 1000     |
|                               | CHAMBER SUBASSEMBLY     |  | 1100     |
|                               |                         | CHAMBER SIDES FIXING BOLT & WASHER       | 1101     |
|                               |                         | PISTON PIN RETAINING RING                | 1102     |
|                               |                         | OIL BRIDGE                               | 1103     |
|                               |                         | CIRCULAR SEAL                            | 1104     |
|                               |                         | RIGHT HAND CHAMBER SIDE                  | 1105     |
|                               |                         | CORNER SEAL                              | 1106     |
|                               |                         | CORNER SEAL SPRING                       | 1107     |
|                               |                         | PISTON                                   | 1108     |
|                               |                         | PISTON REAR SEAL                         | 1109     |
|                               |                         | PISTON FRONT SEAL                        | 1110     |
|                               |                         | PISTON SIDE SEAL                         | 1111     |
|                               |                         | PISTON RR & FR SEAL SPRING               | 1112     |
|                               |                         | PISTON SIDE SEAL SPRING                  | 1113     |
|                               |                         | LEFT HAND CHAMBER SIDE                   | 1114     |
|                               |                         | TRANSVERSE SEAL                          | 1115     |
|                               |                         | TRANSVERSE SEAL SPRING                   | 1116     |
|                               |                         | PISTON PIN                               | 1117     |
|                               |                         | PISTON ROD                               | 1118     |
|                               |                         | PISTON ROD RETAINING RING                | 1119     |
|                               |                         | OIL FLOW LIMITER                         | 1120     |
|                               | PLANET GEAR SUBASSEMBLY |  | 1200     |
|                               |                         | PLANET GEAR RETAINING RING               | 1201     |
|                               |                         | PLANET GEAR                              | 1202     |
|                               |                         | PLANET GEAR SUPPORT LOCATOR PIN          | 1203     |
|                               |                         | PLANET GEAR SUPPORT                      | 1204     |
|                               |                         | PLANET GEAR SUBASSY FIXING BOLT & WASHER | 1205     |
|                               | SHAFT SUBASSEMBLY       |  | 1300     |
|                               |                         | MAIN SHAFT                               | 1301     |
|                               |                         | COTTER PIN                               | 1302     |
|                               |                         | SLOTTED NUT                              | 1303     |
|                               |                         | WASHER                                   | 1304     |
|                               |                         | SPRING                                   | 1305     |
|                               |                         | LOCK TONGUE                              | 1306     |
|                               |                         | LOCK LEVER                               | 1307     |
|                               |                         | LUBRICATION HOLE OBTURATOR               | 1308     |
| CASING ASSEMBLY               |                         |  | 2000     |
|                               |                         | CASING                                   | 2101     |
|                               |                         | SPARK PLUG                               | 2102     |
|                               |                         | OIL FILTER ADAPTER                       | 2103     |
|                               |                         | OIL FILTER                               | 2104     |
|                               |                         | EXHAUST GAS OUTLET                       | 2105     |
|                               |                         | EXHAUST GAS OUTLET BOLT & WASHER         | 2106     |
|                               |                         | OIL TANK BOLT                            | 2107     |
|                               |                         | OIL TANK STRAINER                        | 2108     |
|                               |                         | OIL TANK                                 | 2109     |
|                               |                         | OIL DRAIN BOLT                           | 2110     |
|                               |                         | AIR-FUEL MIXTURE INLET                   | 2111     |
|                               |                         | AIR-FUEL MIXTURE INLET BOLT & WASHER     | 2112     |
| LEFT HAND END COVER ASSEMBLY  |                         |  | 3000     |
|                               |                         | OIL REFILL HOLE CAP                      | 3101     |
|                               |                         | LH END COVER PLATE                       | 3102     |
|                               |                         | PLATE TO END COVER FIXING BOLT & WASHER  | 3103     |
|                               |                         | END COVER TO CASING FIXING BOLT & WASHER | 3104     |
|                               |                         | LH END COVER                             | 3105     |
|                               |                         | OIL PRESSURE SENSOR                      | 3106     |
|                               |                         | SUN GEAR                                 | 3107     |
|                               |                         | SUN GEAR BOLT & WASHER                   | 3108     |
| RIGHT HAND END COVER ASSEMBLY |                         |  | 4000     |
|                               |                         | RH END COVER PLATE                       | 4101     |
|                               |                         | PLATE TO END COVER FIXING BOLT & WASHER  | 4102     |
|                               |                         | END COVER TO CASING FIXING BOLT & WASHER | 4103     |
|                               |                         | RH END COVER                             | 4104     |

TABLE -1

5/76

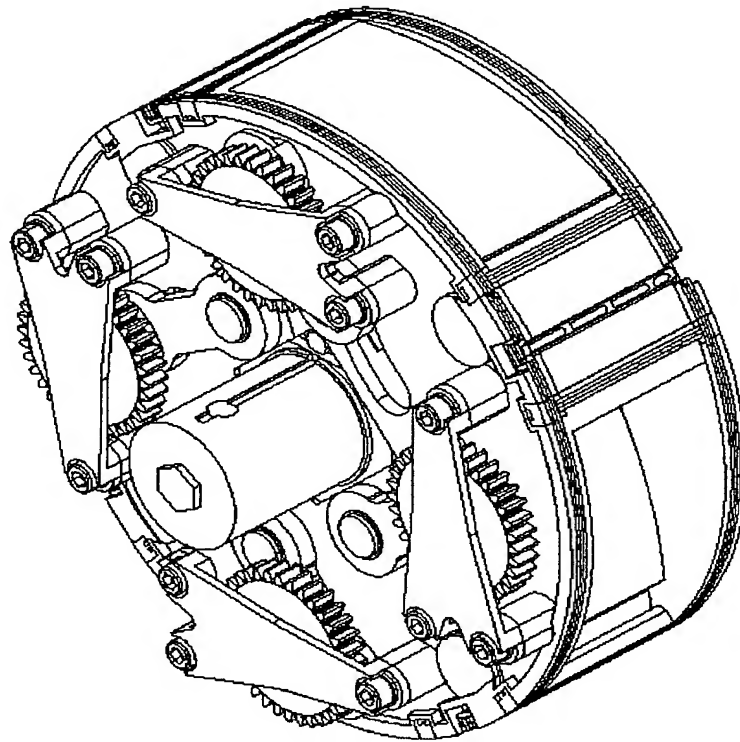


FIG. 3a

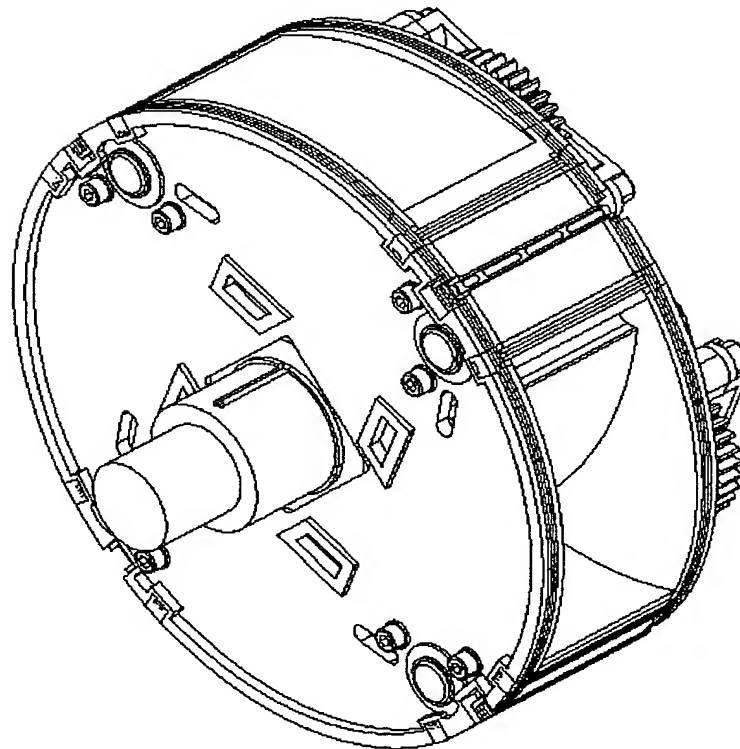
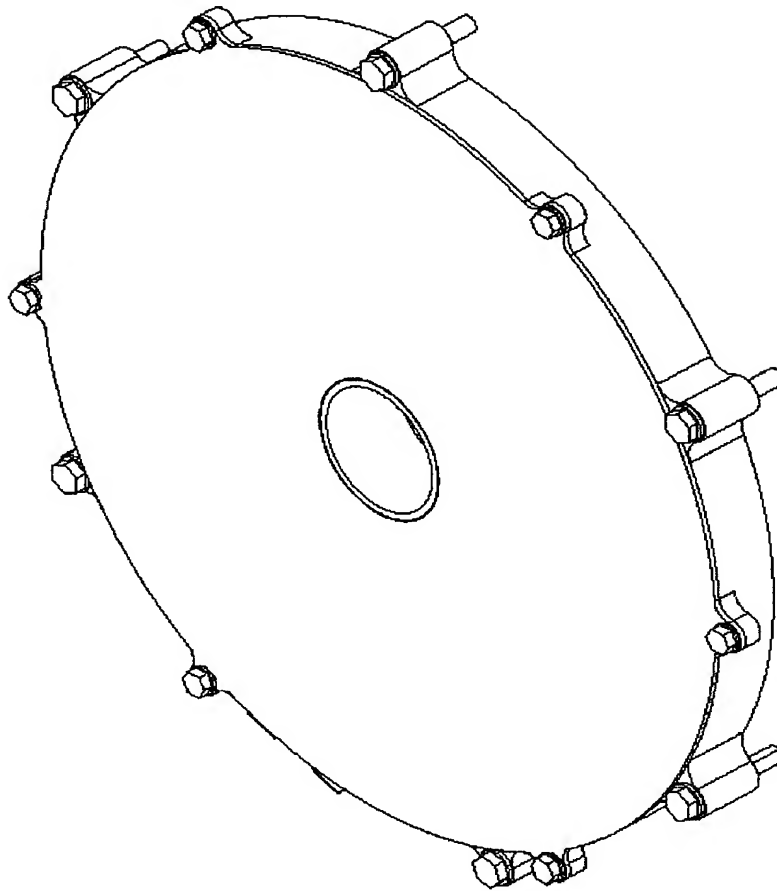


FIG. 3b

REAR AND FRONT VIEW OF ROTOR ASSEMBLY 1000

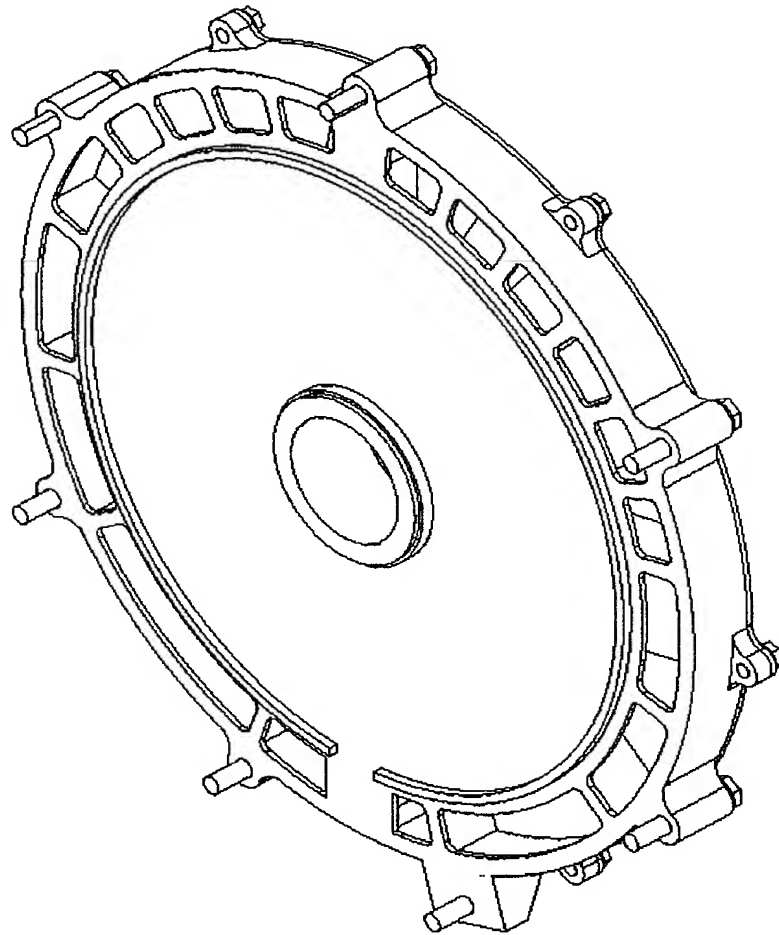
6/76



RIGHT HAND END COVER ASSEMBLY 4000

FIG. 4a

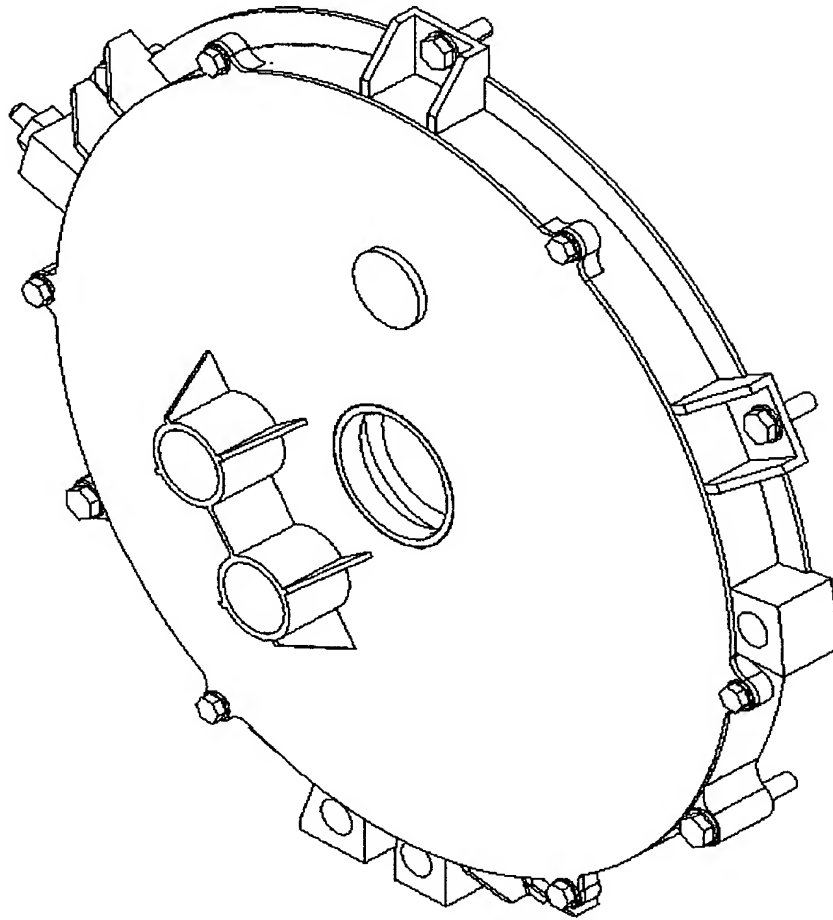
7/76



OTHER VIEW OF  
RIGHT HAND END COVER ASSEMBLY 4000

FIG. 4b

8/76

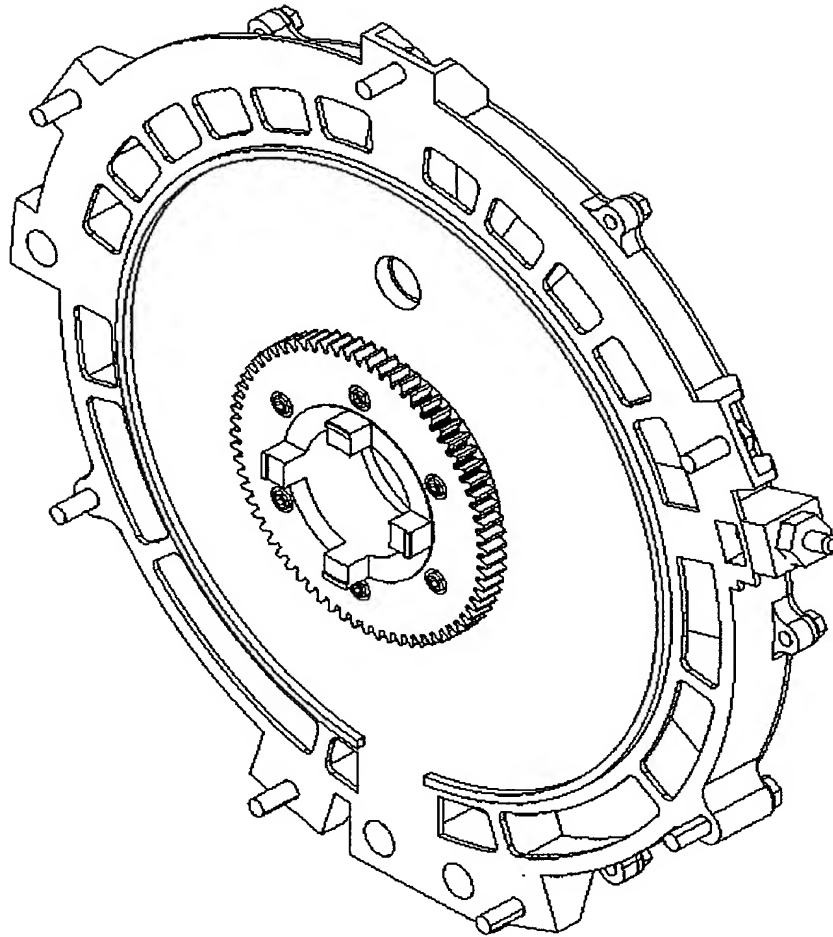


LEFT HAND END COVER ASSEMBLY 3000

FIG. 5a



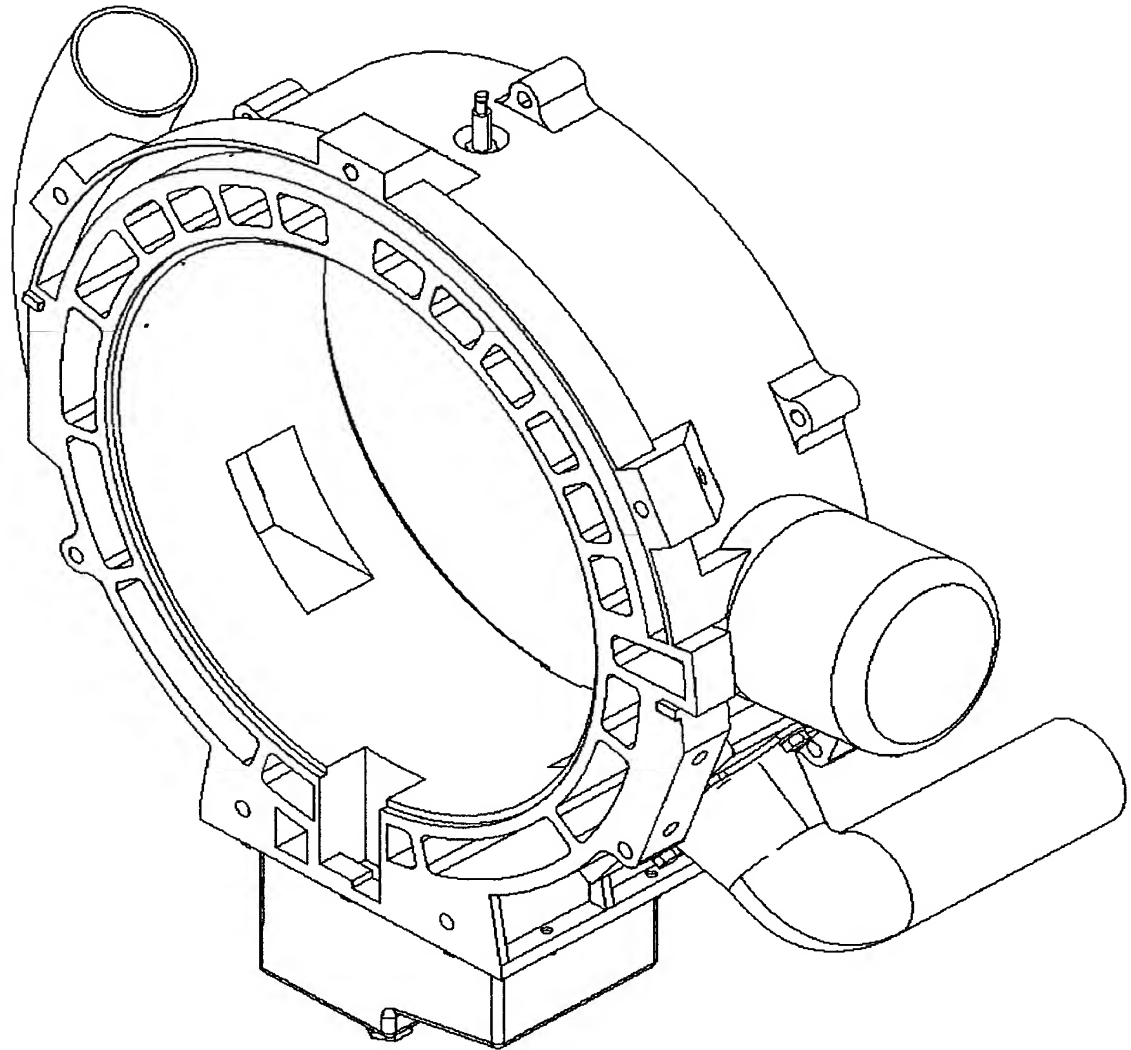
9/76



OTHER VIEW OF  
LEFT HAND END COVER ASSEMBLY 3000

FIG. 5b

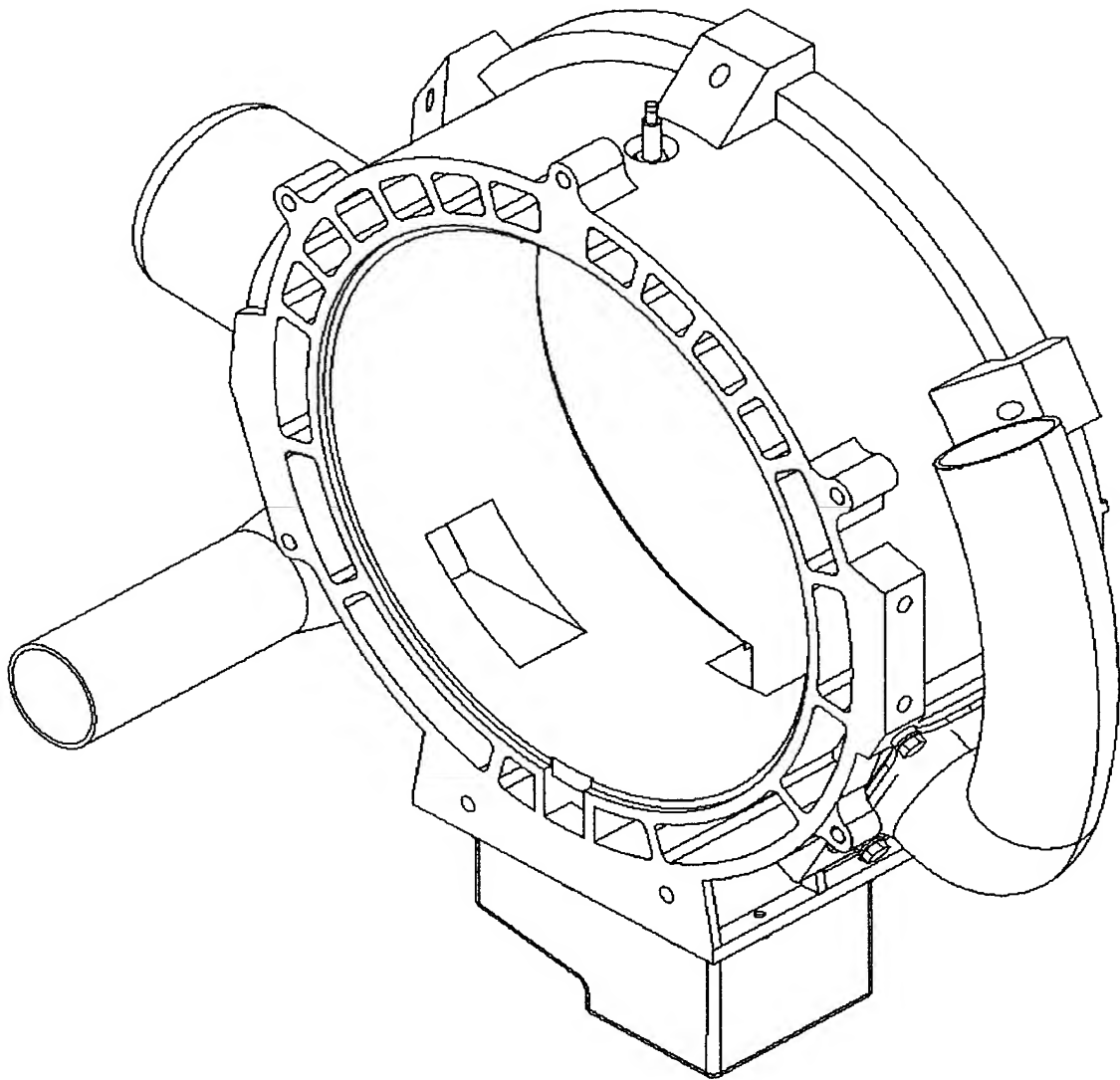
10/76



CASING ASSEMBLY 2000

FIG. 6a

11/76



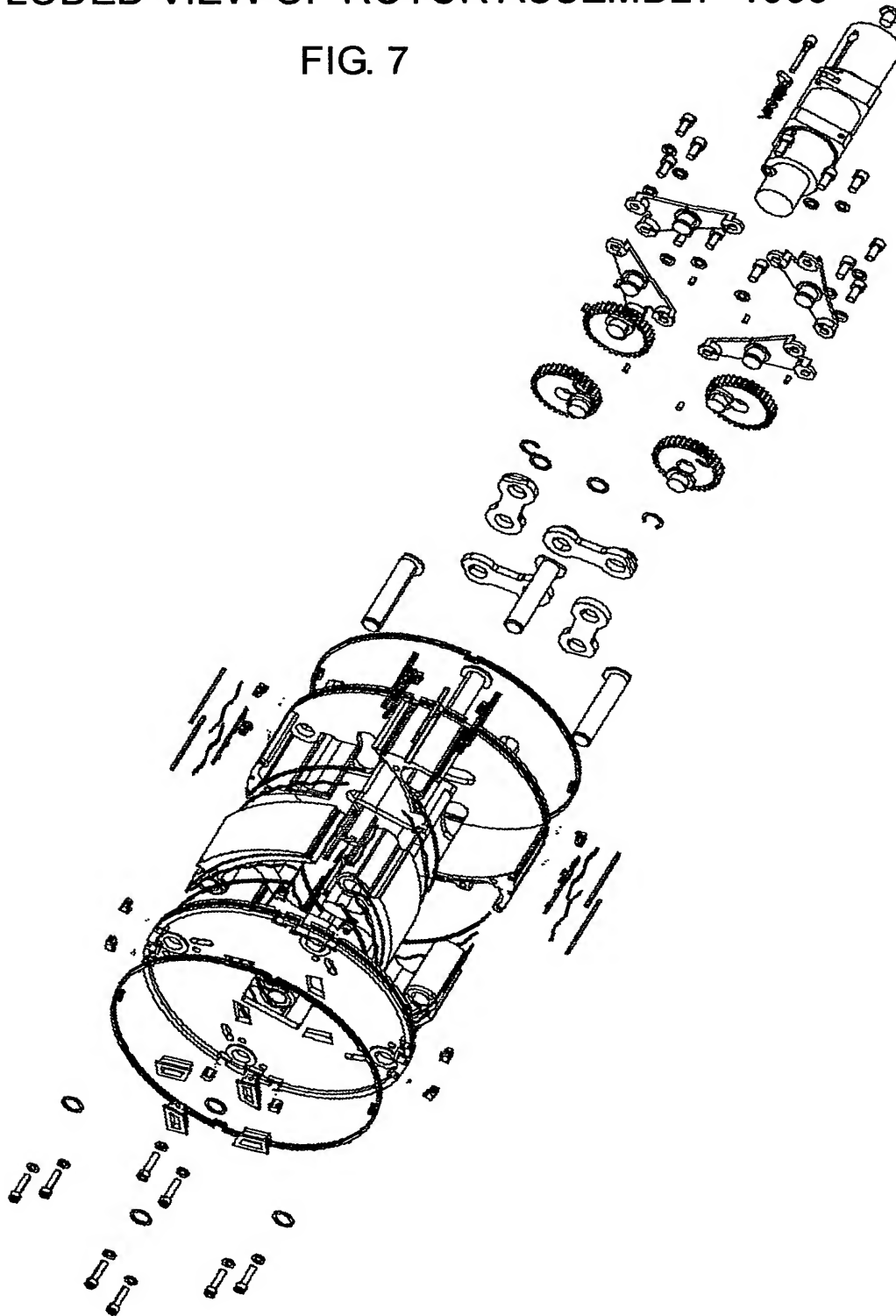
OTHER VIEW OF CASING ASSEMBLY 2000

FIG. 6b

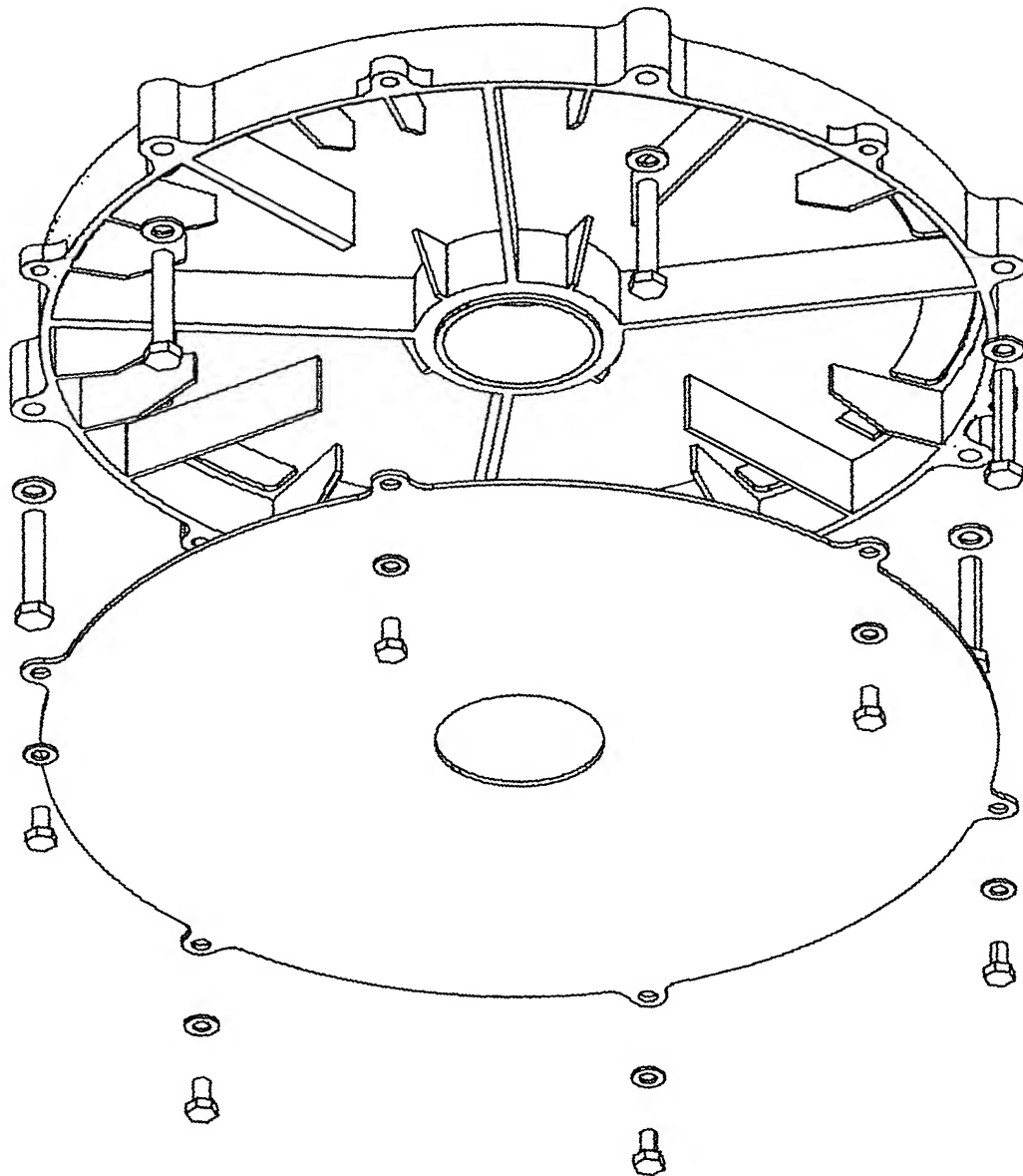
12/76

## EXPLODED VIEW OF ROTOR ASSEMBLY 1000

FIG. 7



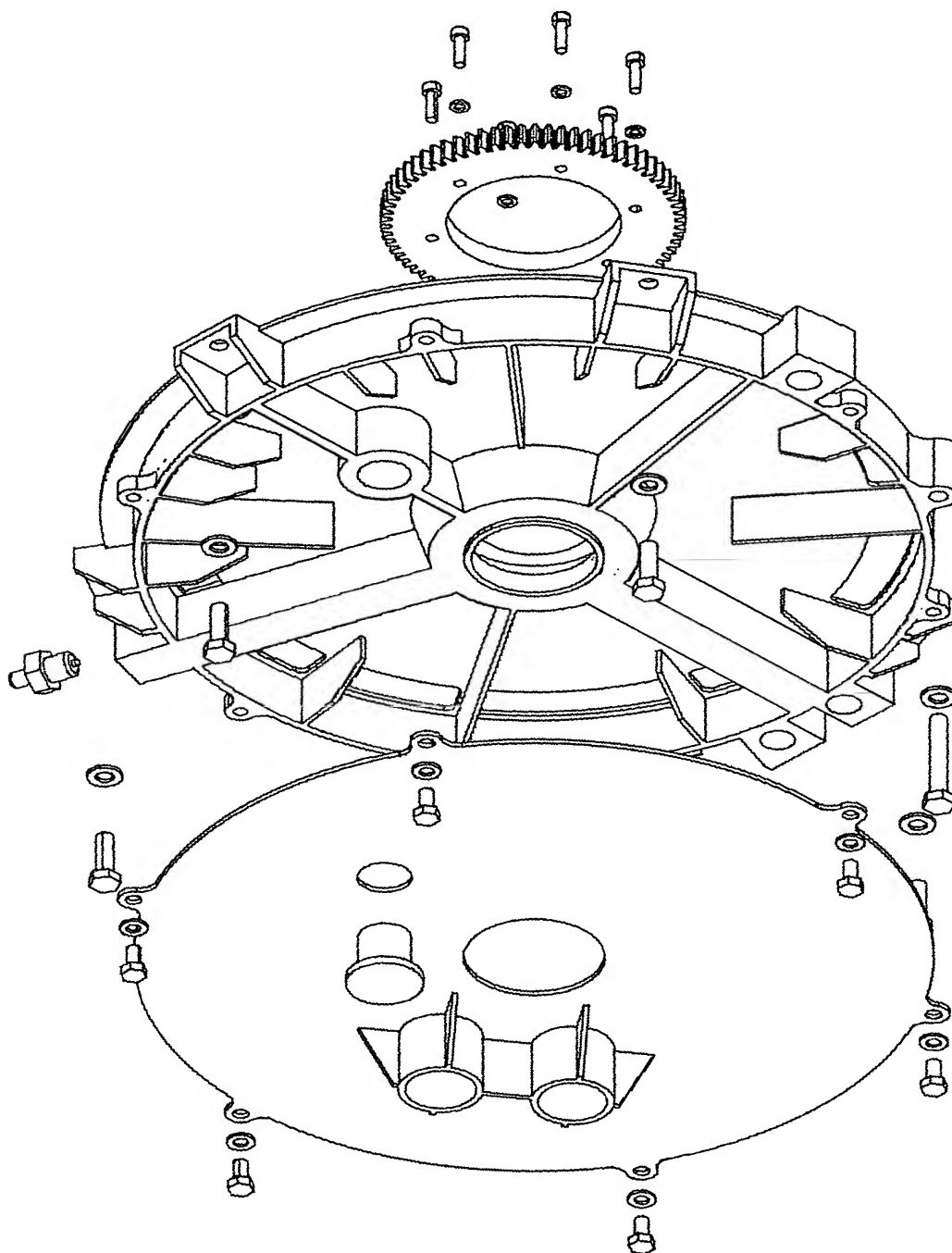
13/76



EXPLODED VIEW OF  
RH END COVER ASSEMBLY 4000

FIG. 8

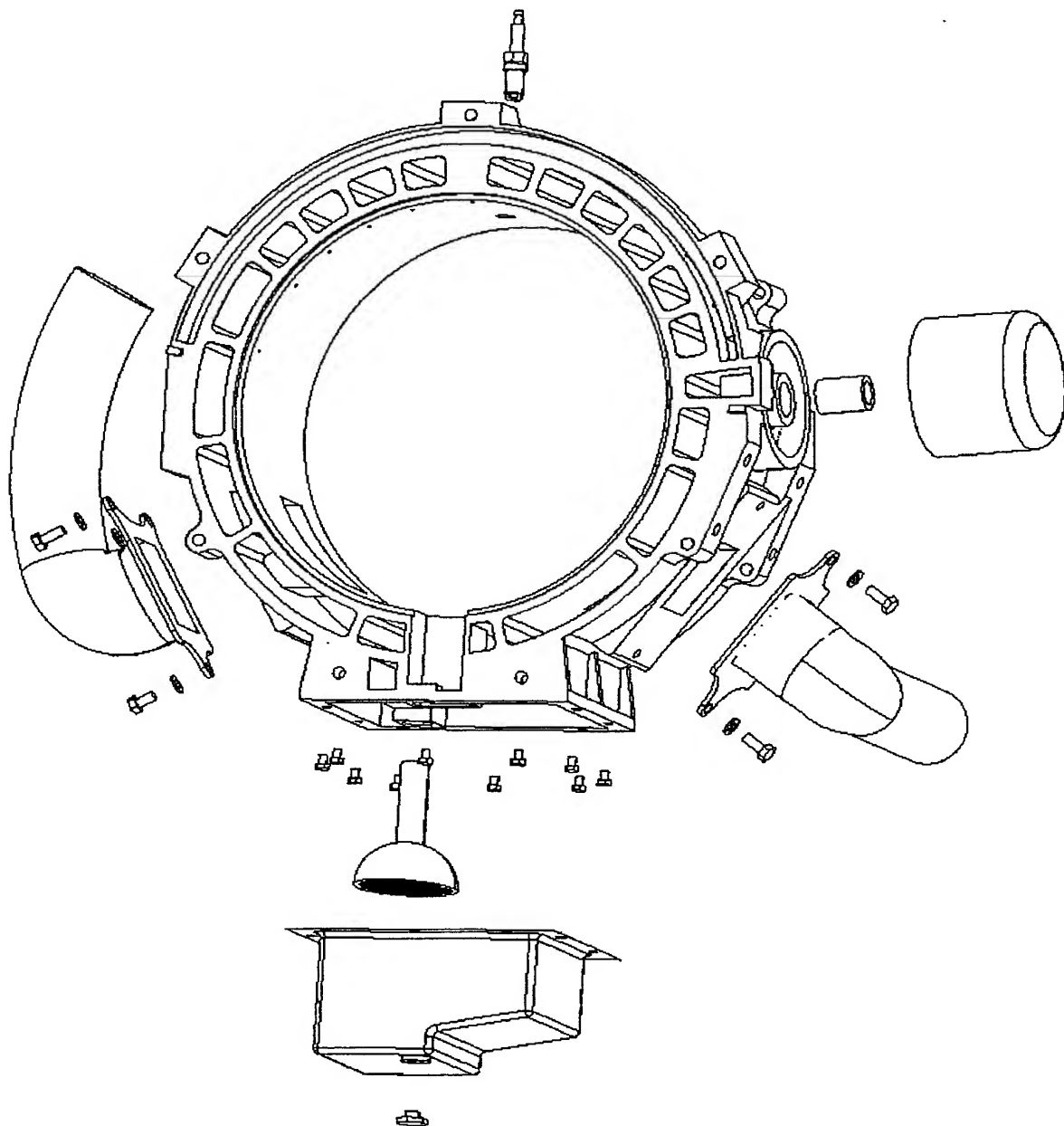
14/76



EXPLODED VIEW OF  
LH END COVER ASSEMBLY 3000

FIG. 9

15/76



EXPLODED VIEW OF CASING ASSEMBLY 2000

FIG. 10

16/76

FIG. 11a

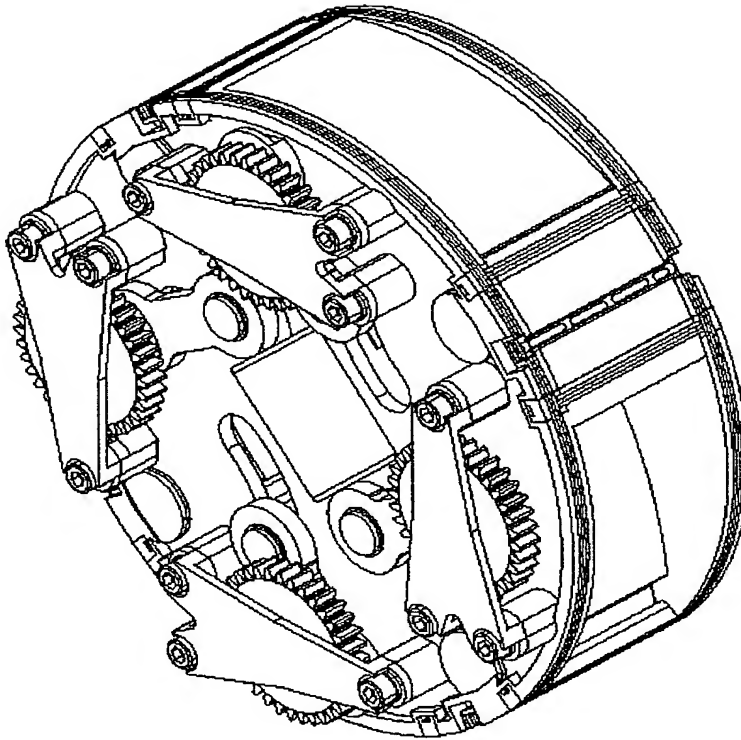
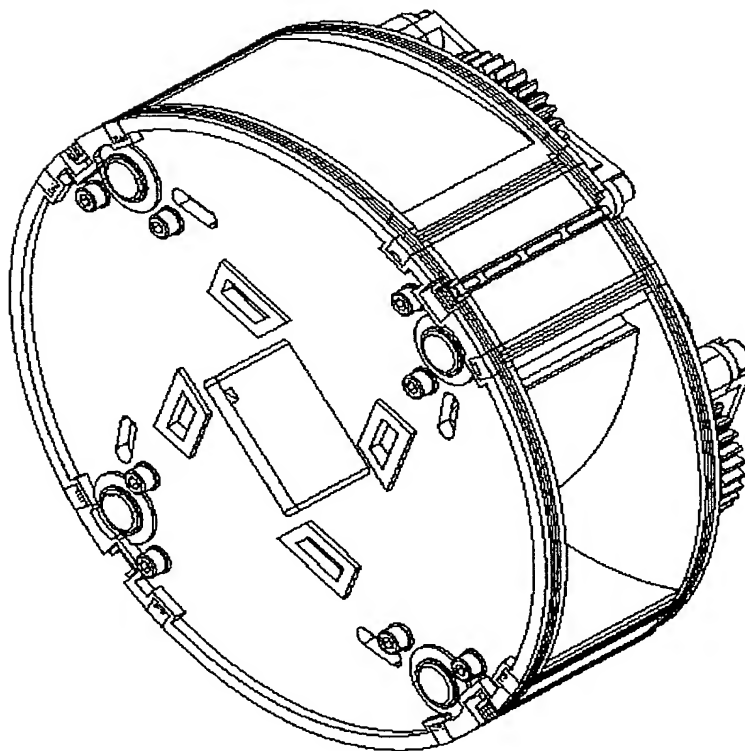


FIG. 11b



REAR AND FRONT VIEW OF  
CHAMBER SUBASSEMBLY 1100

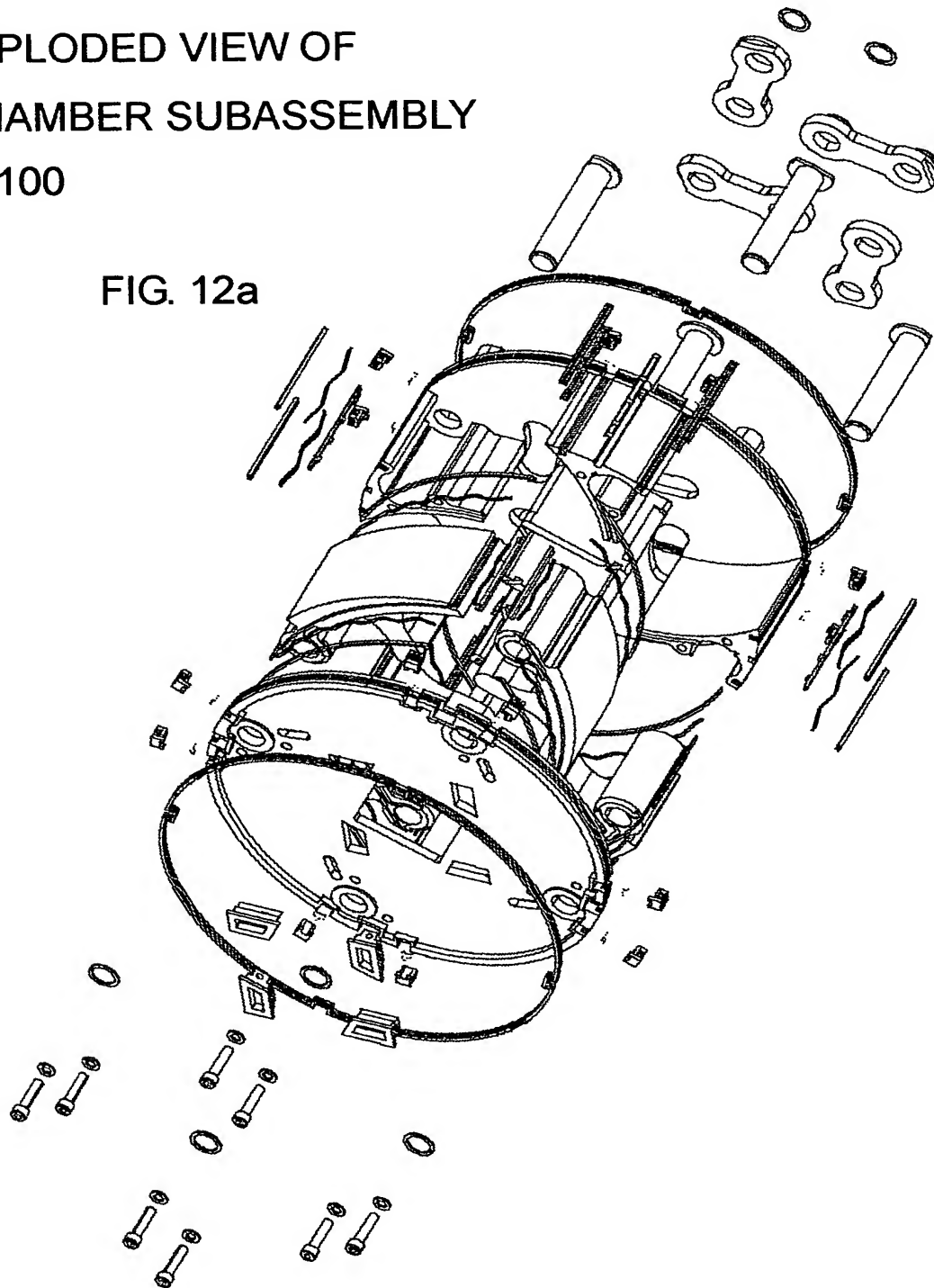


17/76

# EXPLODED VIEW OF CHAMBER SUBASSEMBLY

1100

FIG. 12a

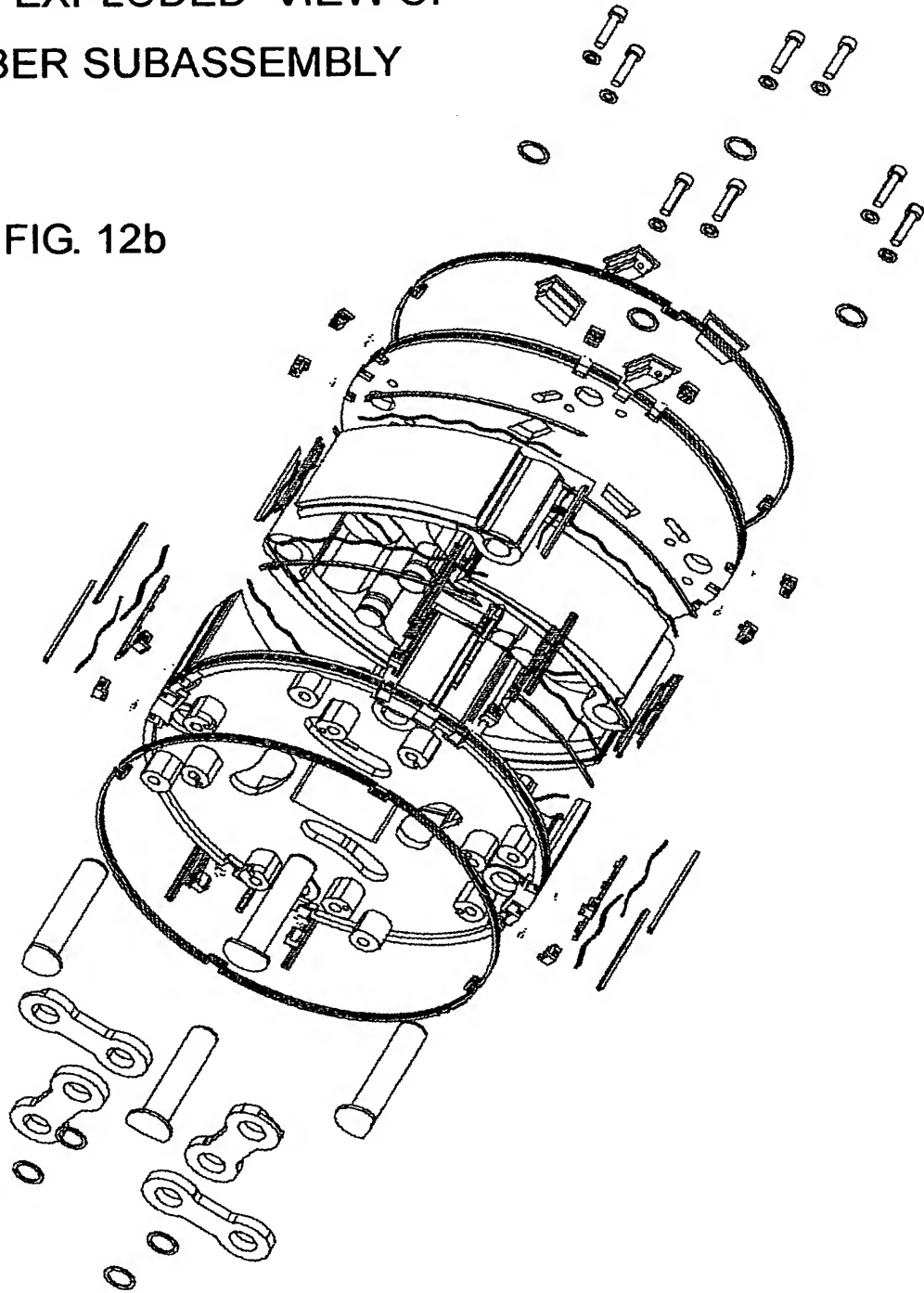


18/76

OTHER EXPLODED VIEW OF  
CHAMBER SUBASSEMBLY

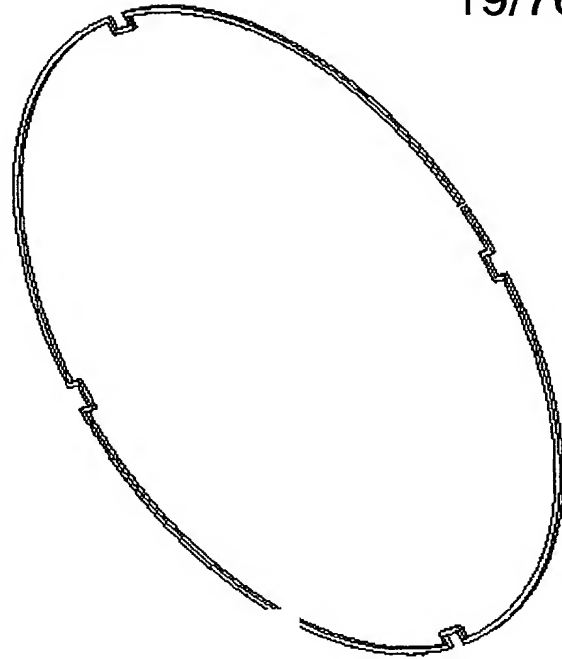
1100

FIG. 12b

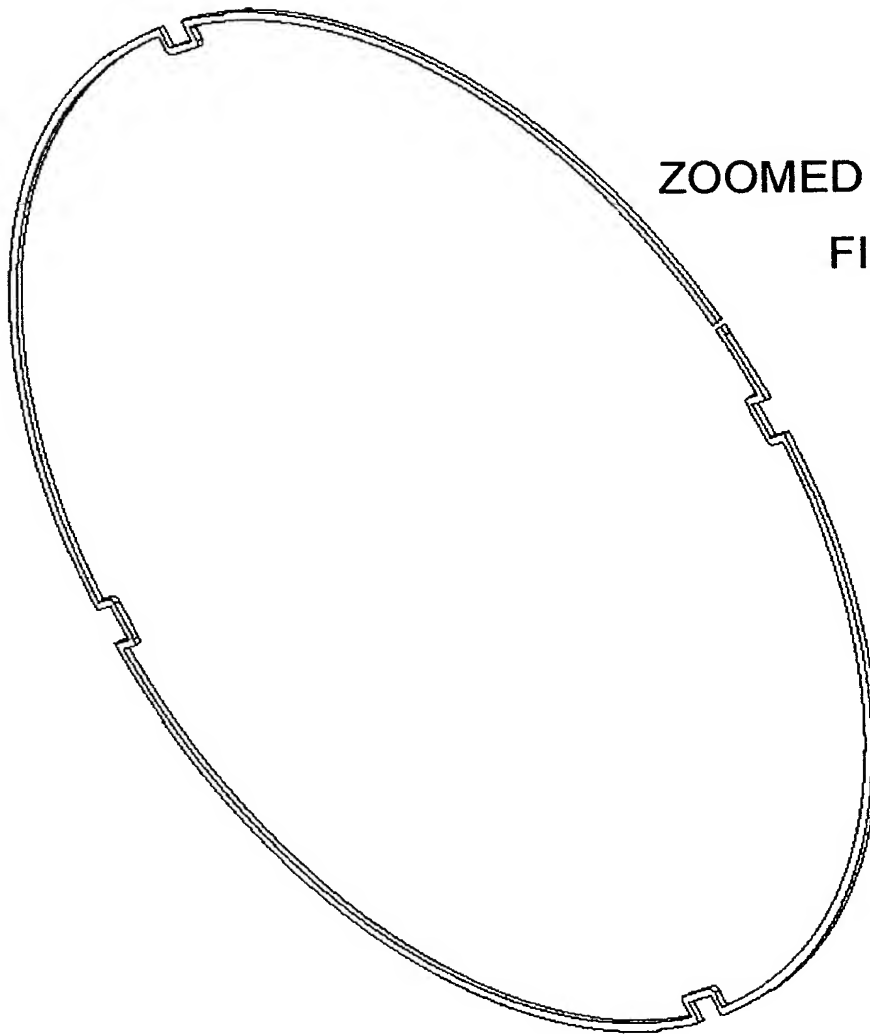


19/76

1104  
FIG. 13a



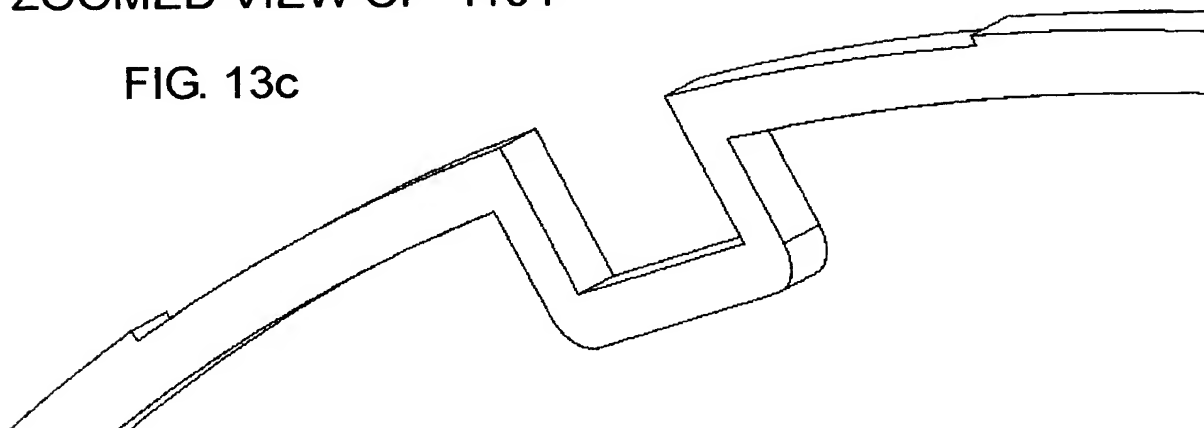
ZOOMED VIEW OF 1104  
FIG. 13b



20/76

## ZOOMED VIEW OF 1104

FIG. 13c



1003

FIG. 14a

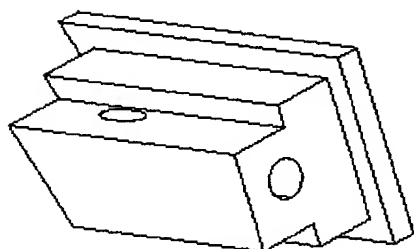


FIG. 14b

## ZOOMED VIEWS OF 1003

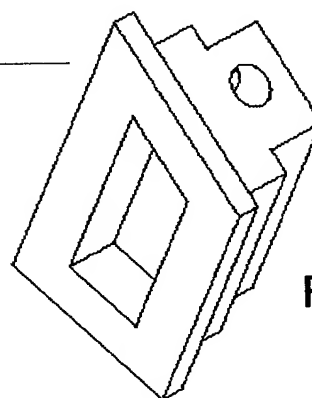


FIG. 14c

21/76

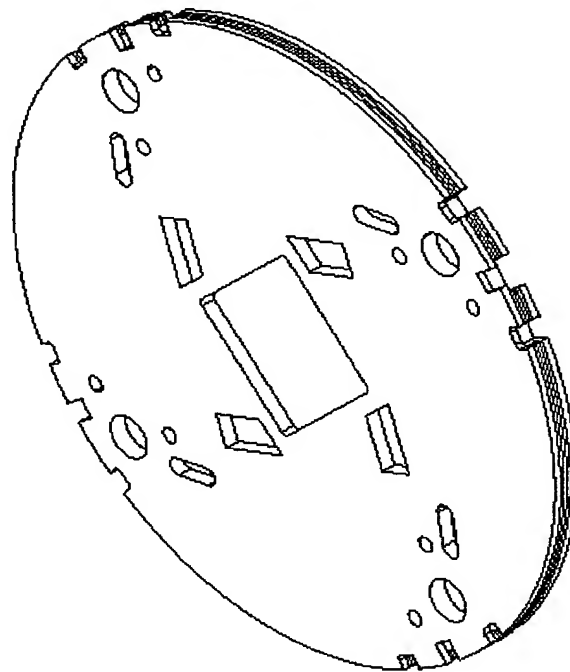


FIG. 15a

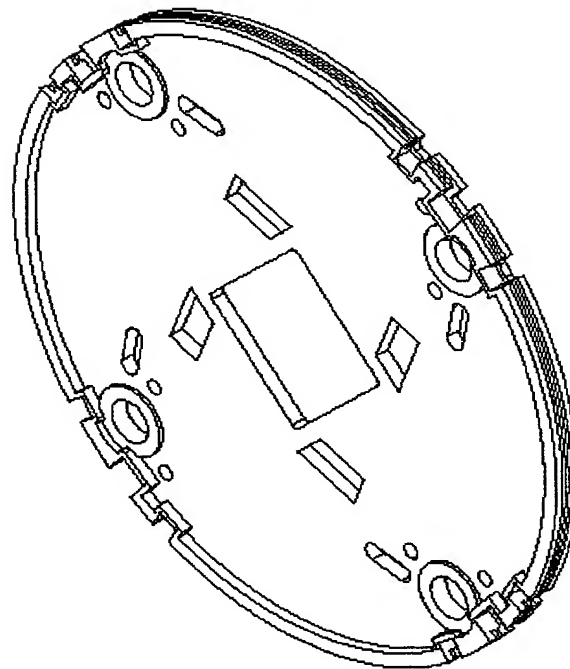


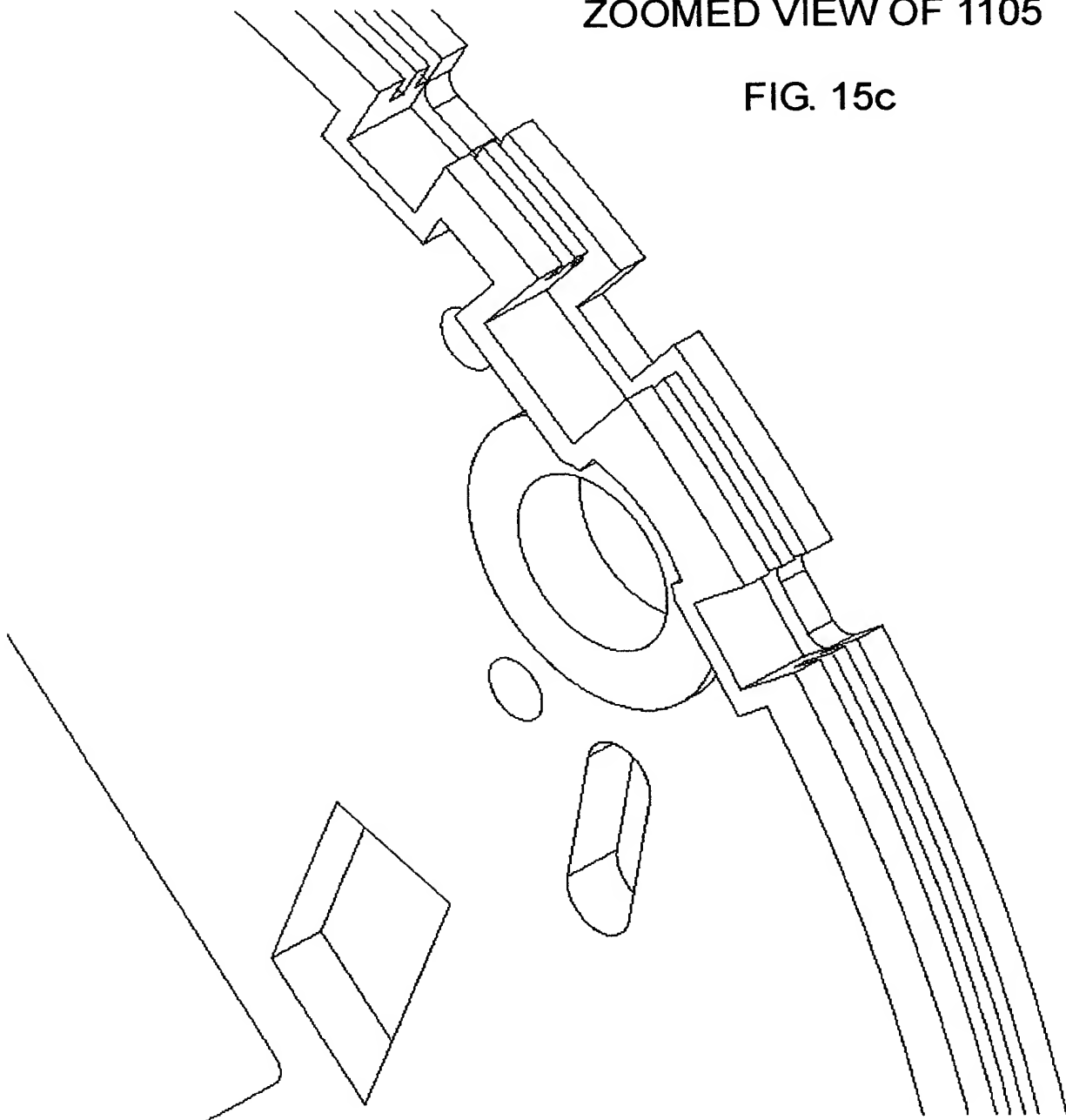
FIG. 15b

1105 IN DIFFERENT VIEWS

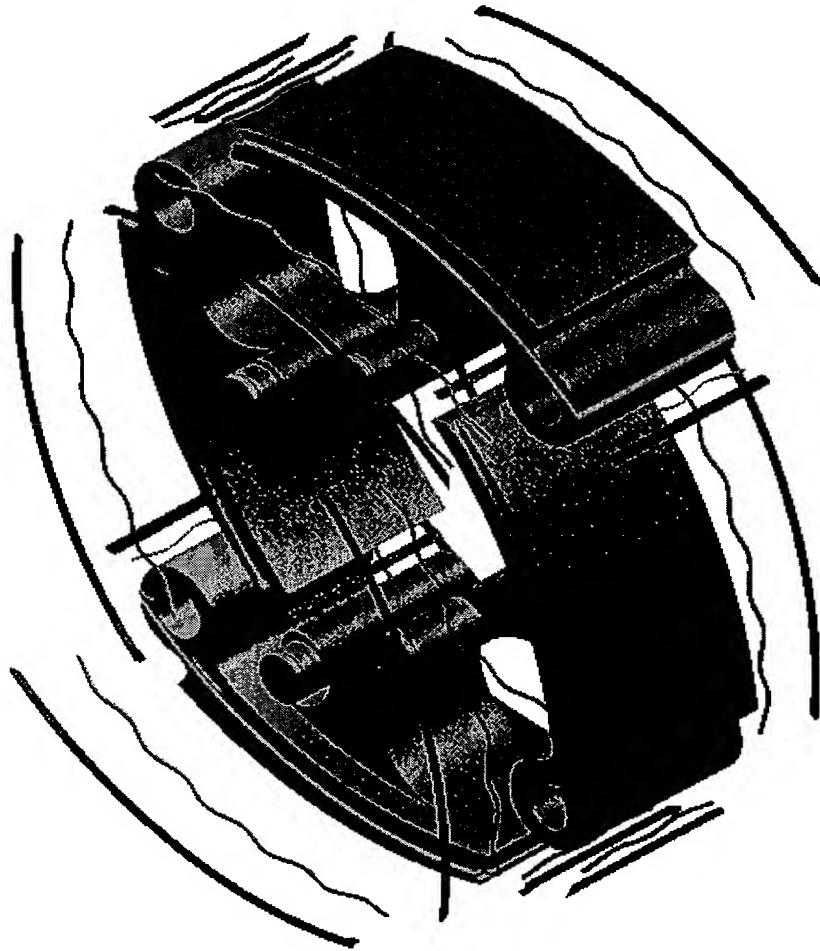
22/76

ZOOMED VIEW OF 1105

FIG. 15c



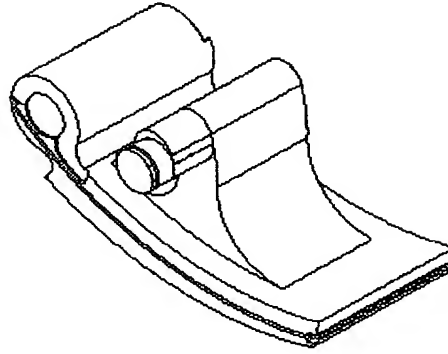
23/76



PISTONS AND RELATED ' SEALS AND SEAL SPRINGS '

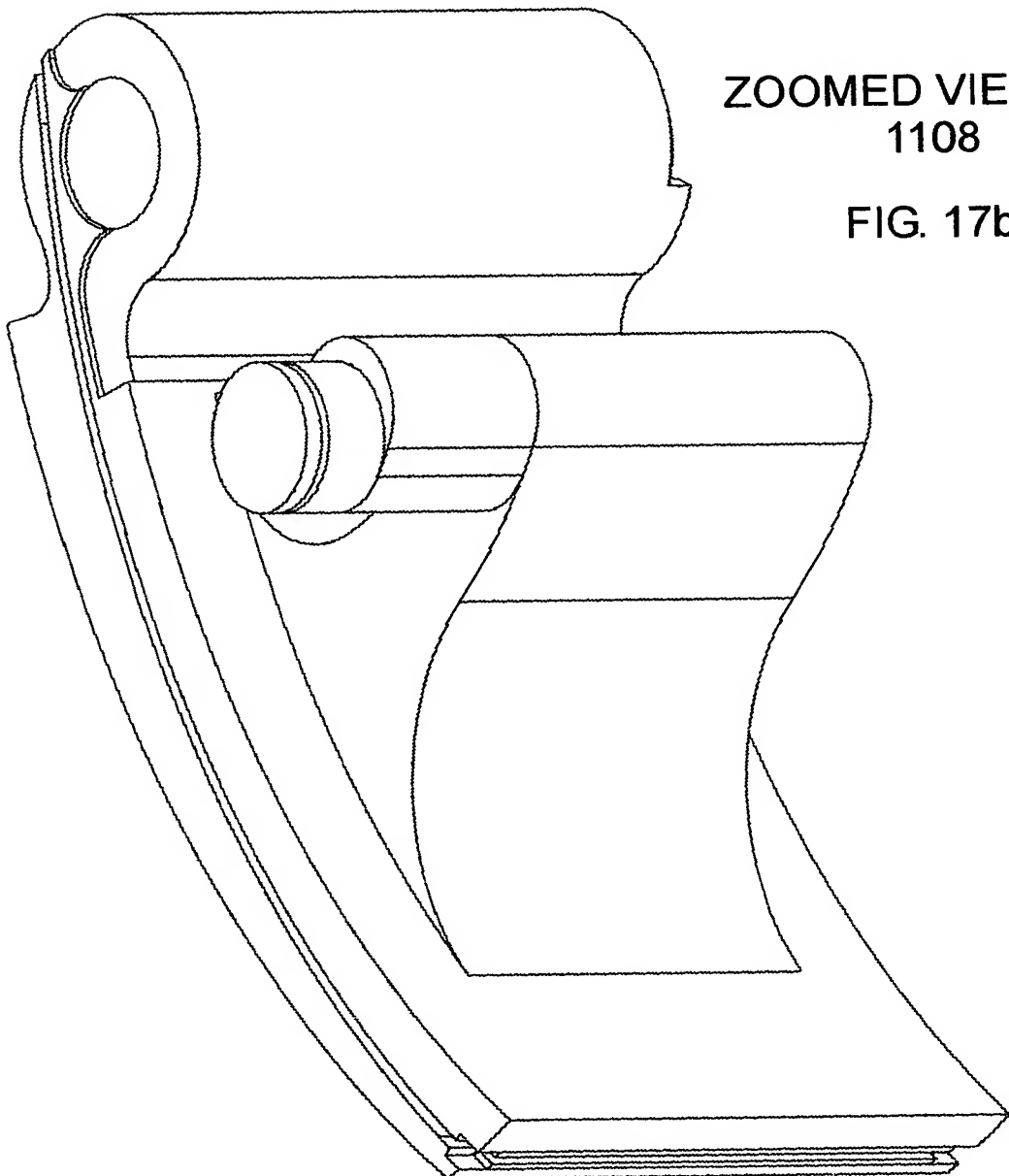
FIG. 16

24/76



1108

FIG. 17a



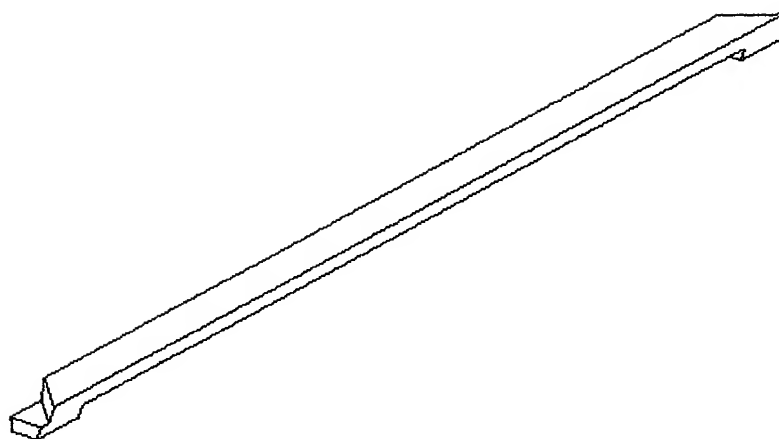
ZOOMED VIEW OF  
1108

FIG. 17b



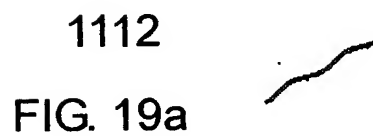
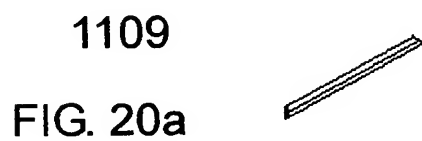
25/76

1110  
FIG. 18a



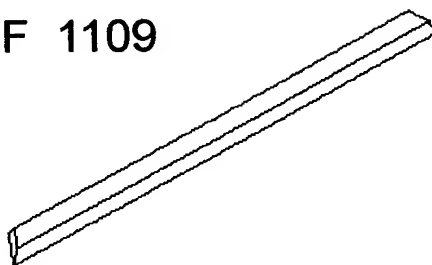
ZOOMED VIEW OF 1110  
FIG. 18b

26/76



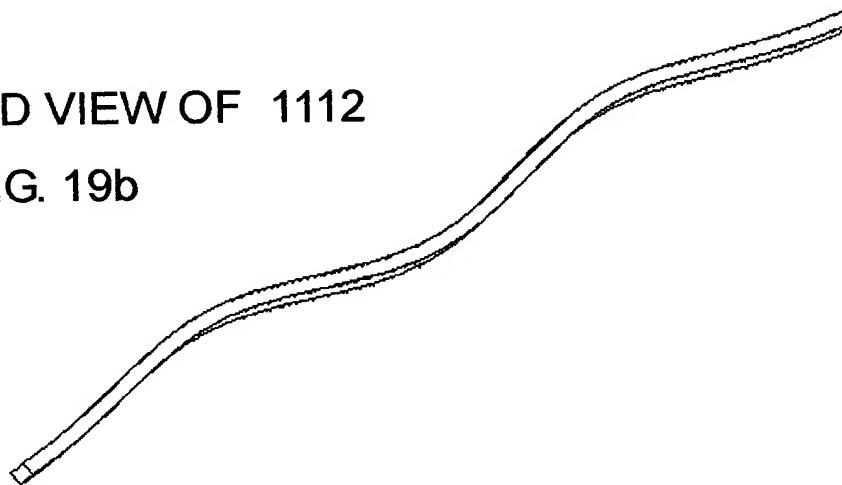
ZOOMED VIEW OF 1109

FIG. 20b



ZOOMED VIEW OF 1112

FIG. 19b



27/76

1111

FIG. 21a

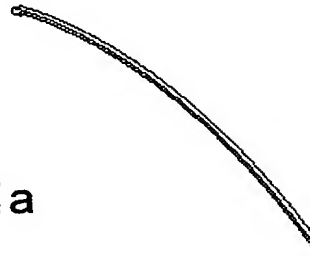
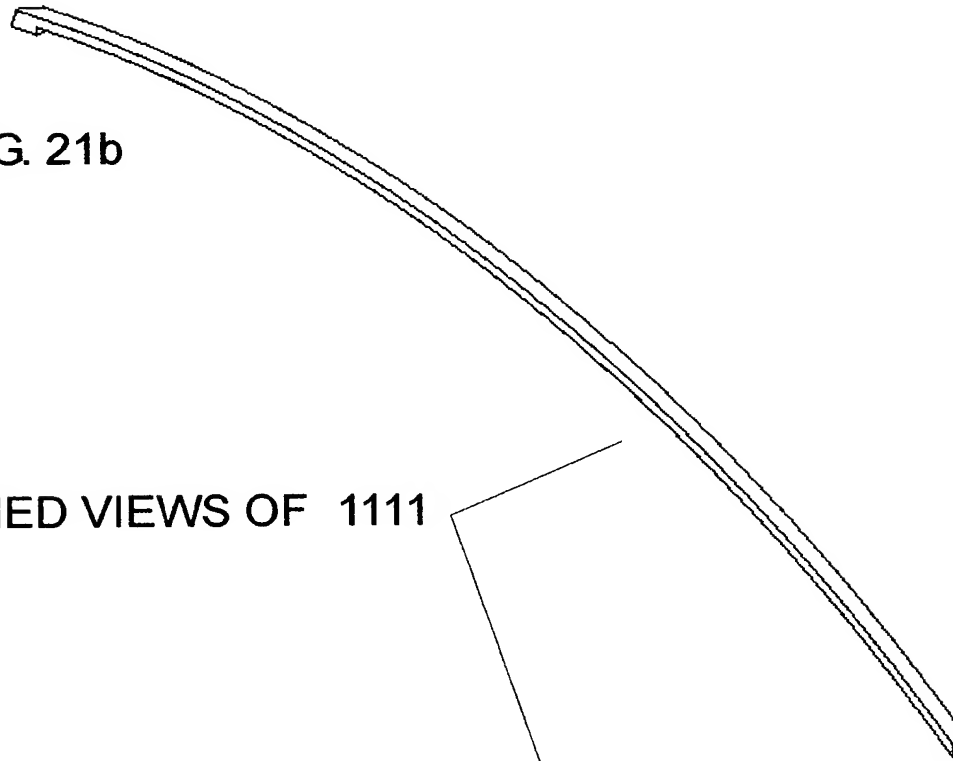


FIG. 21b



ZOOMED VIEWS OF 1111

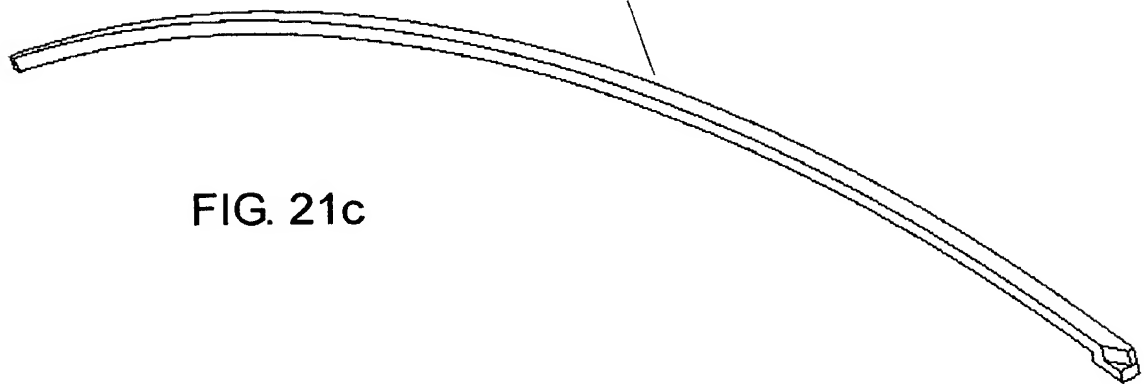
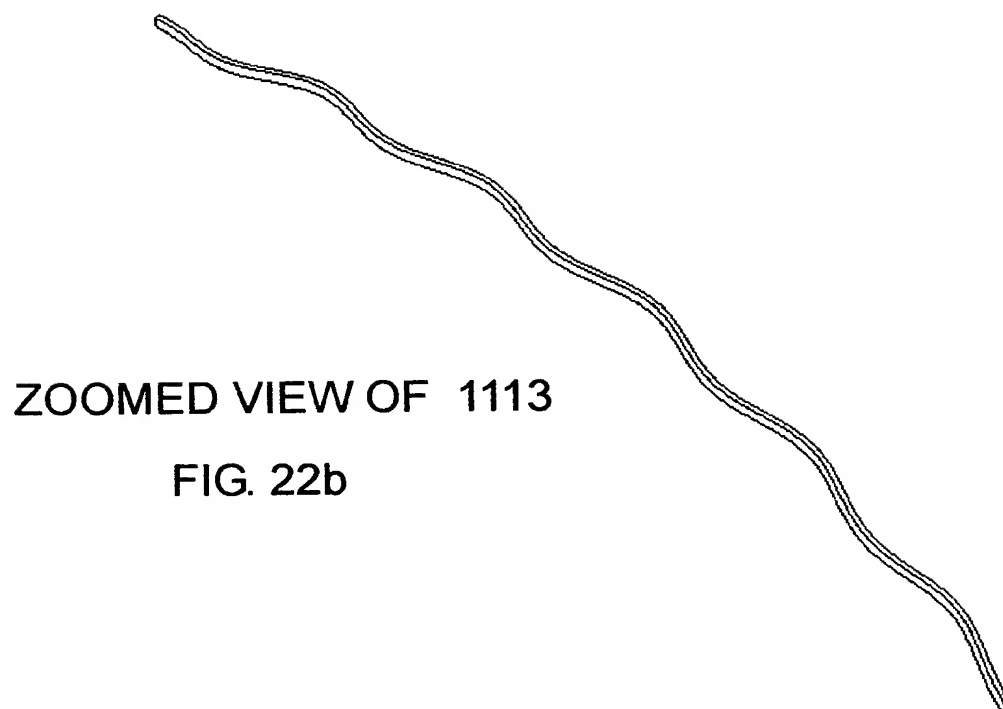
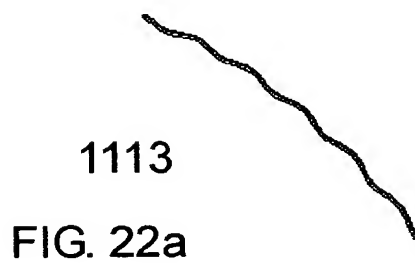
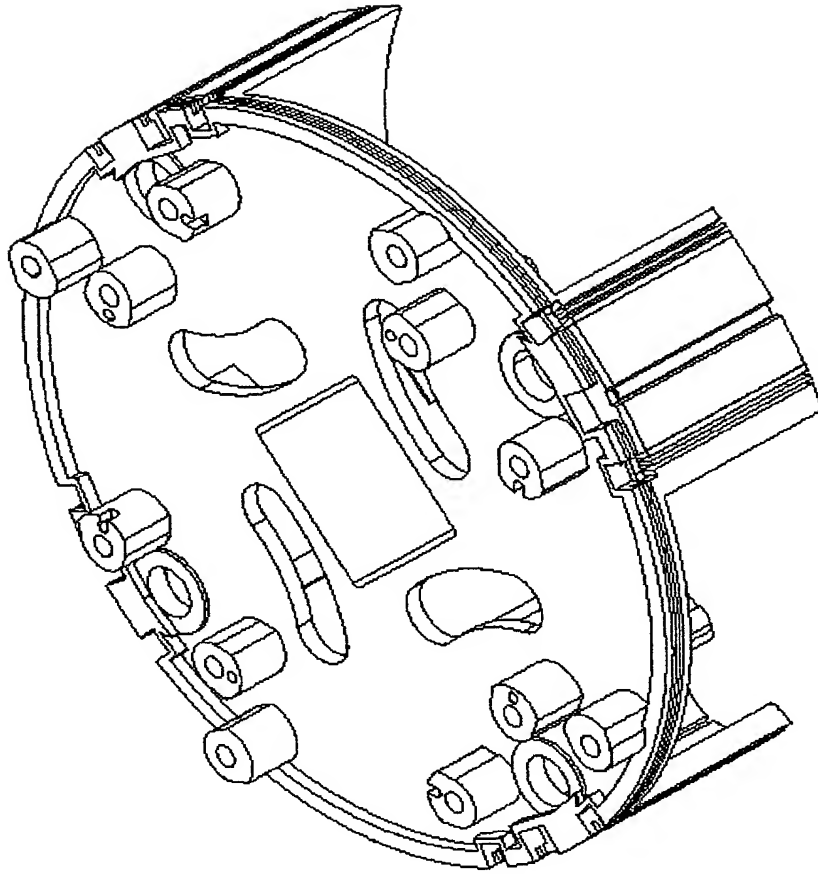


FIG. 21c

28/76



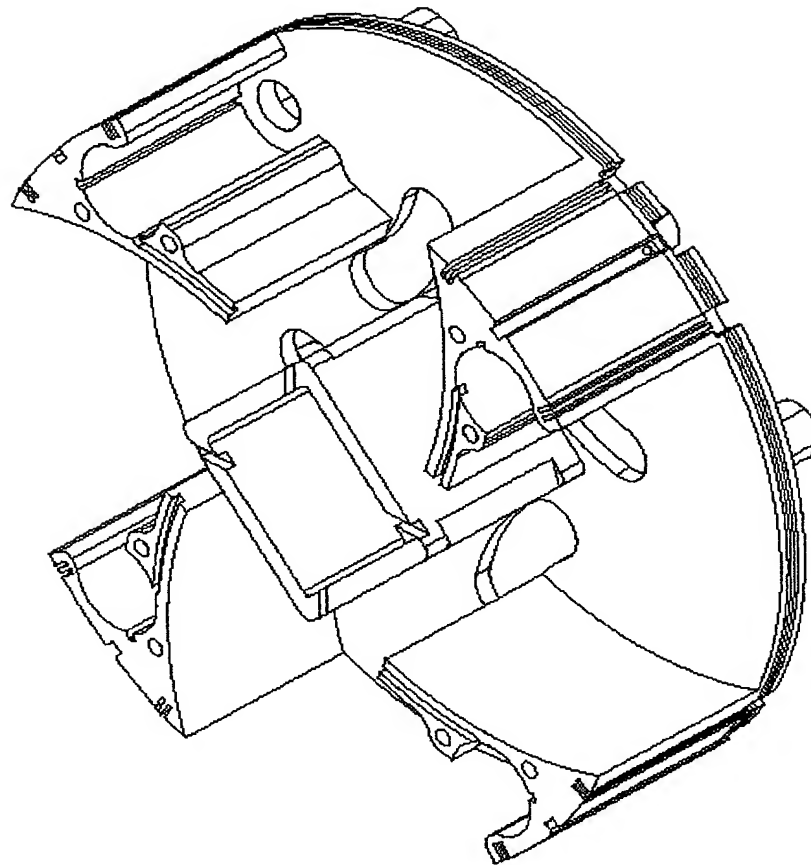
29/76



1114

FIG. 23a

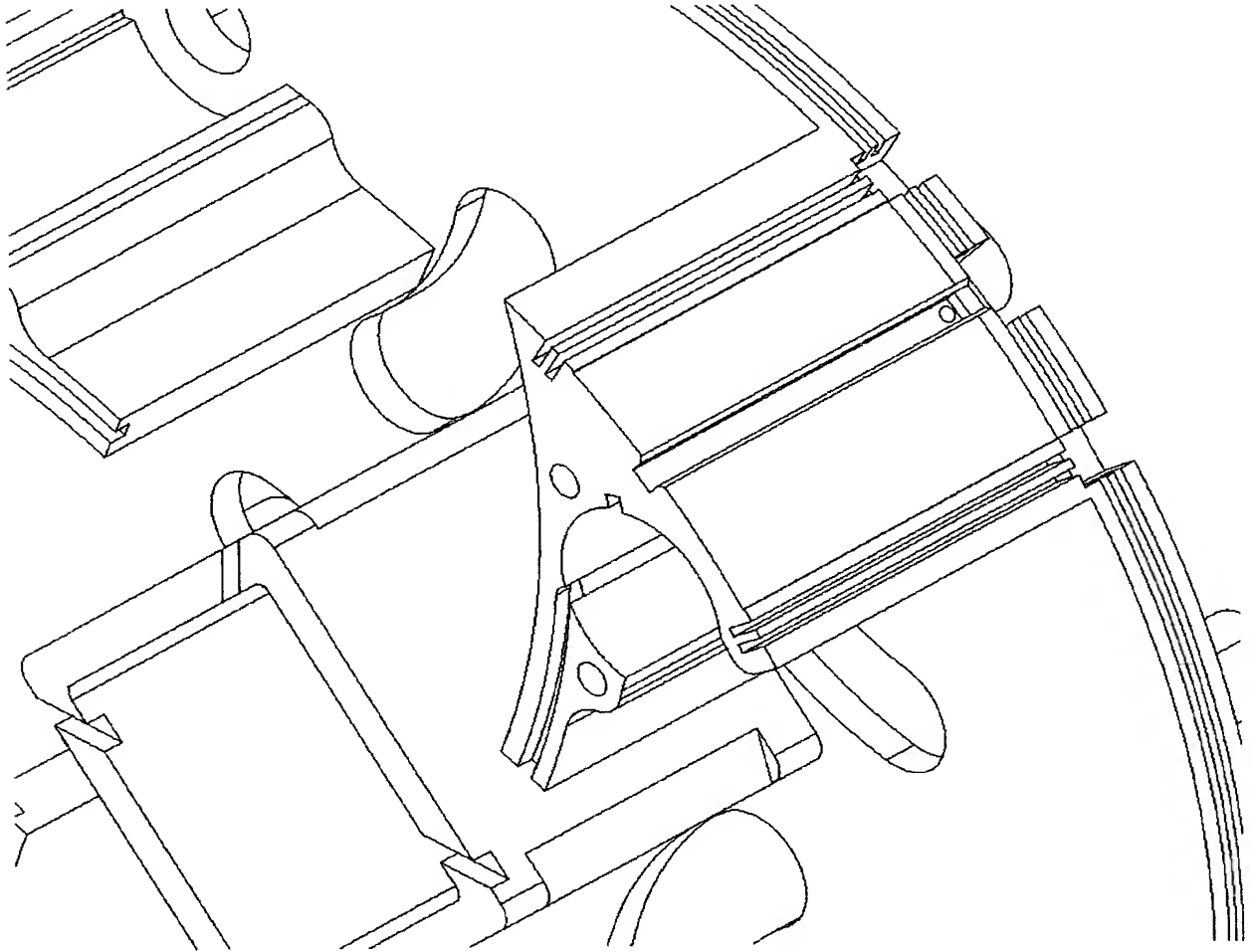
30/76



OTHER VIEW OF 1114

FIG. 23b

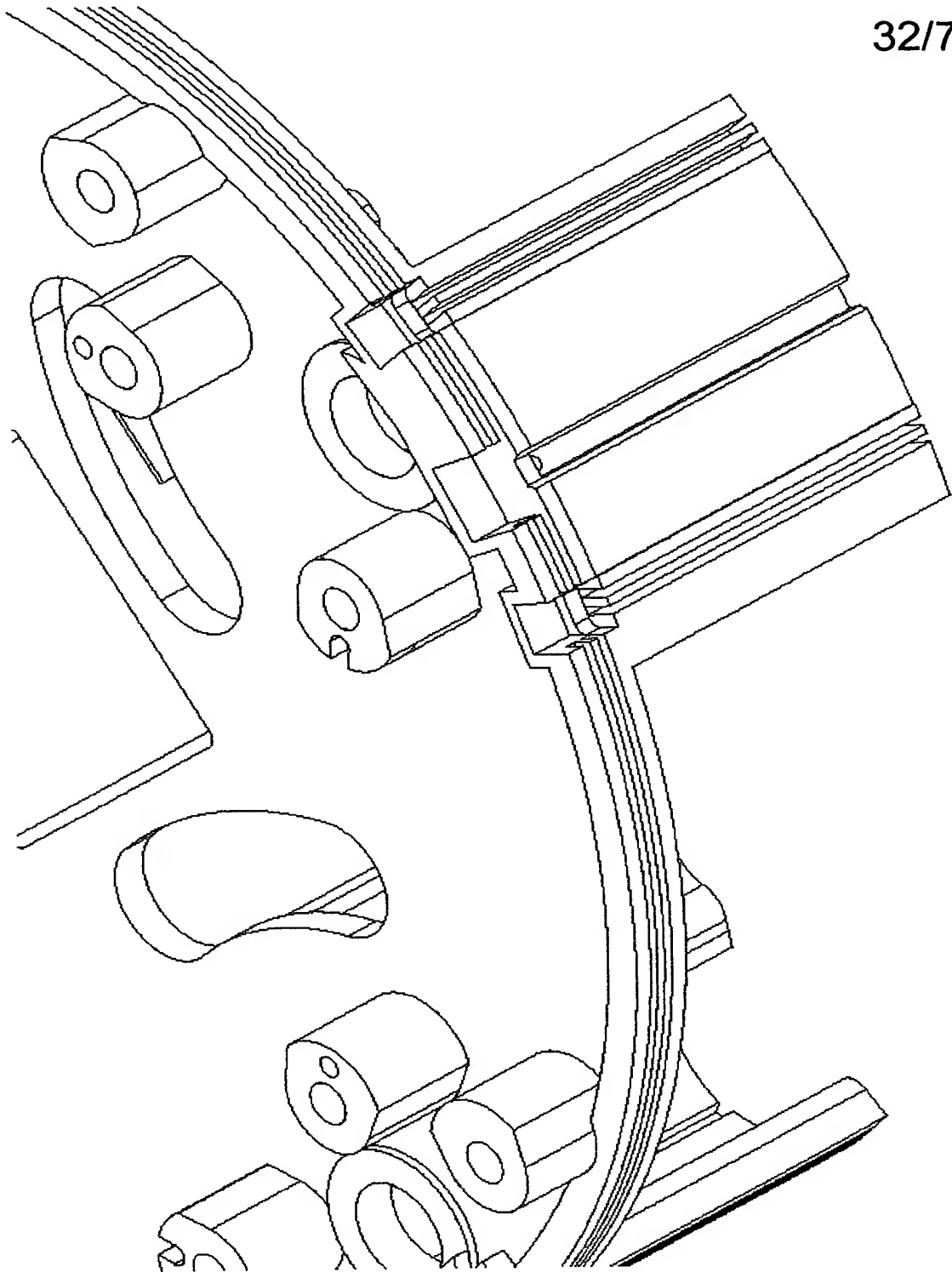
31/76



ZOOMED VIEW OF 1114

FIG. 23c

32/76



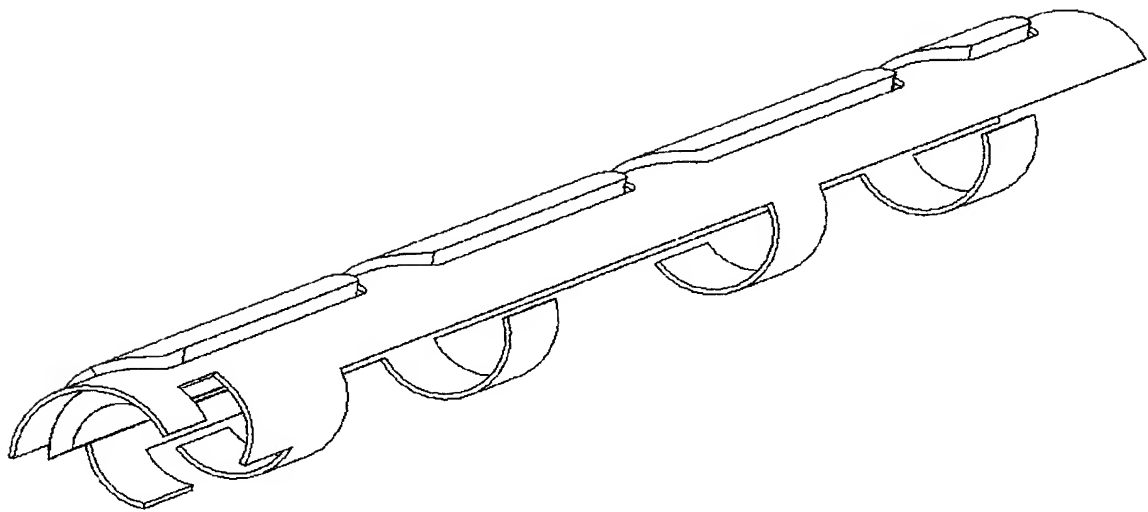
ZOOMED VIEW OF 1114

FIG. 23d



33/76

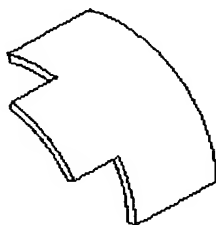
1120  
FIG. 24a



ZOOMED VIEW OF 1120

FIG. 24b

34/76



1107

FIG. 25a

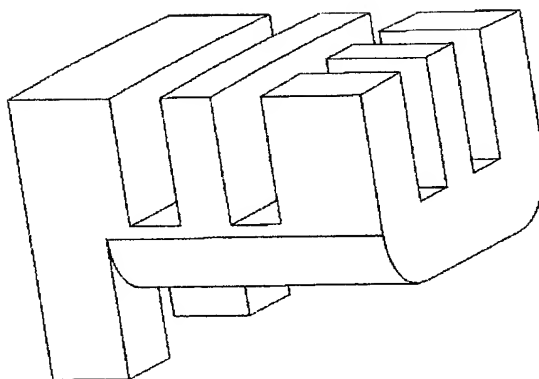
ZOOMED VIEW OF 1107

FIG. 25b

1106



FIG. 26a



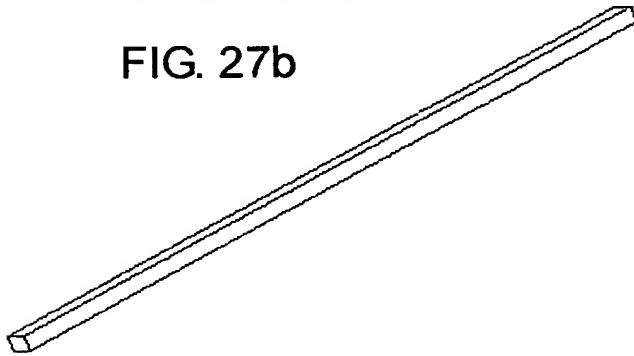
ZOOMED VIEW OF 1106

FIG. 26b

35/76

ZOOMED VIEW OF 1115

FIG. 27b



1115

FIG. 27a

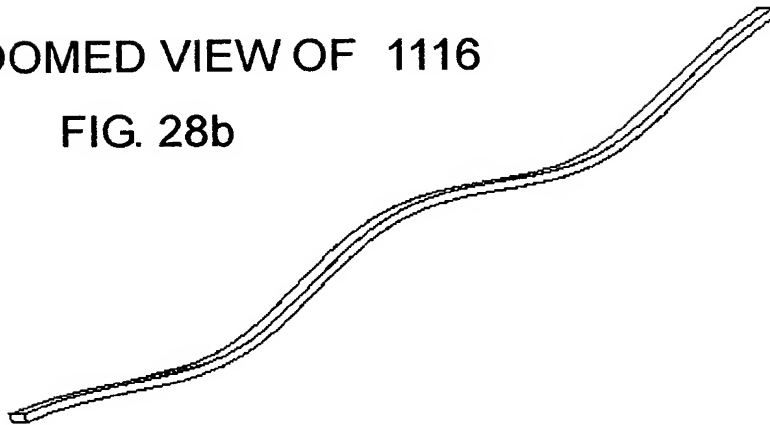
1116

FIG. 28a



ZOOMED VIEW OF 1116

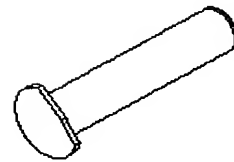
FIG. 28b



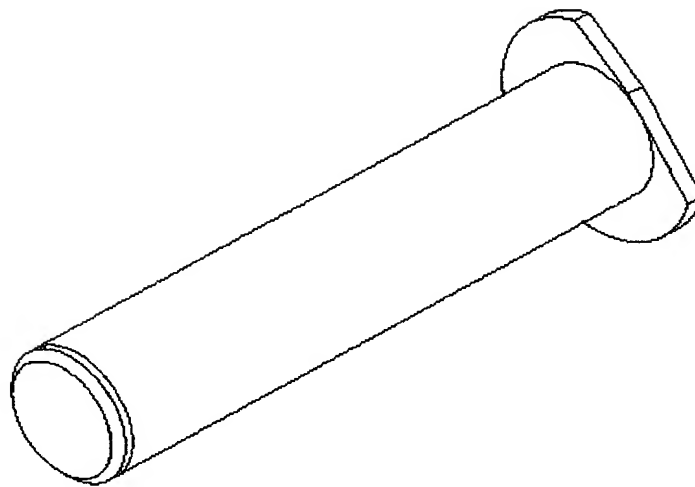
36/76



1102  
FIG. 30



1117  
FIG. 29a



ZOOMED VIEW OF 1117  
FIG. 29b

37/76

FIG. 31b

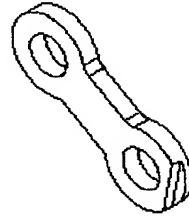


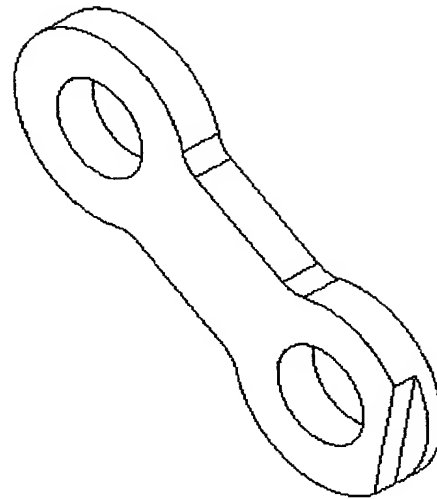
FIG. 31a



1119

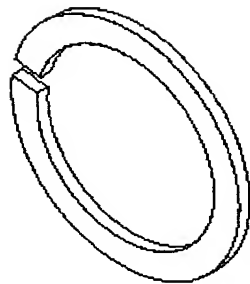
FIG. 32a

1118



ZOOMED VIEW OF 1118

FIG. 31c



ZOOMED VIEW OF 1119  
FIG. 32b

38/76

FIG. 33a

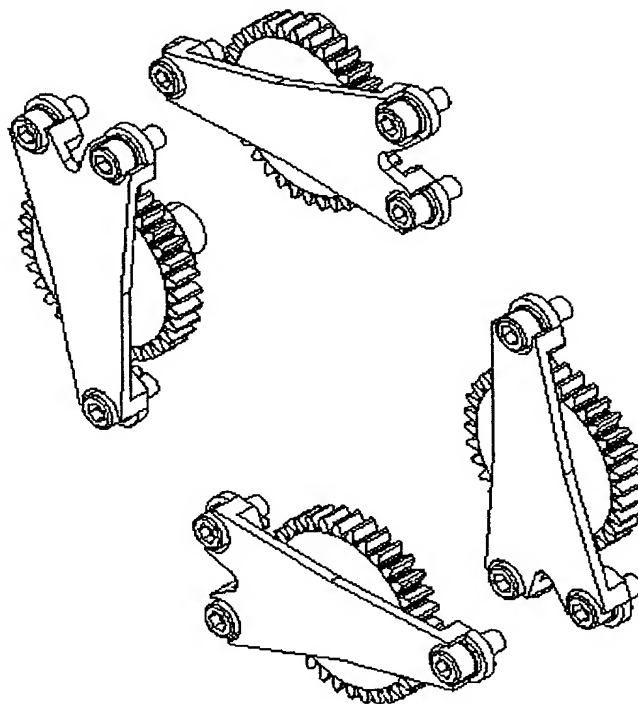
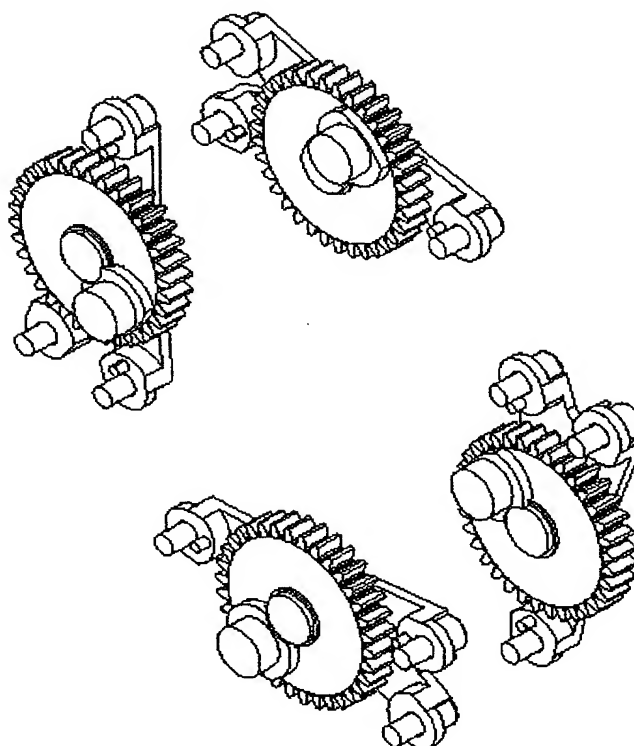
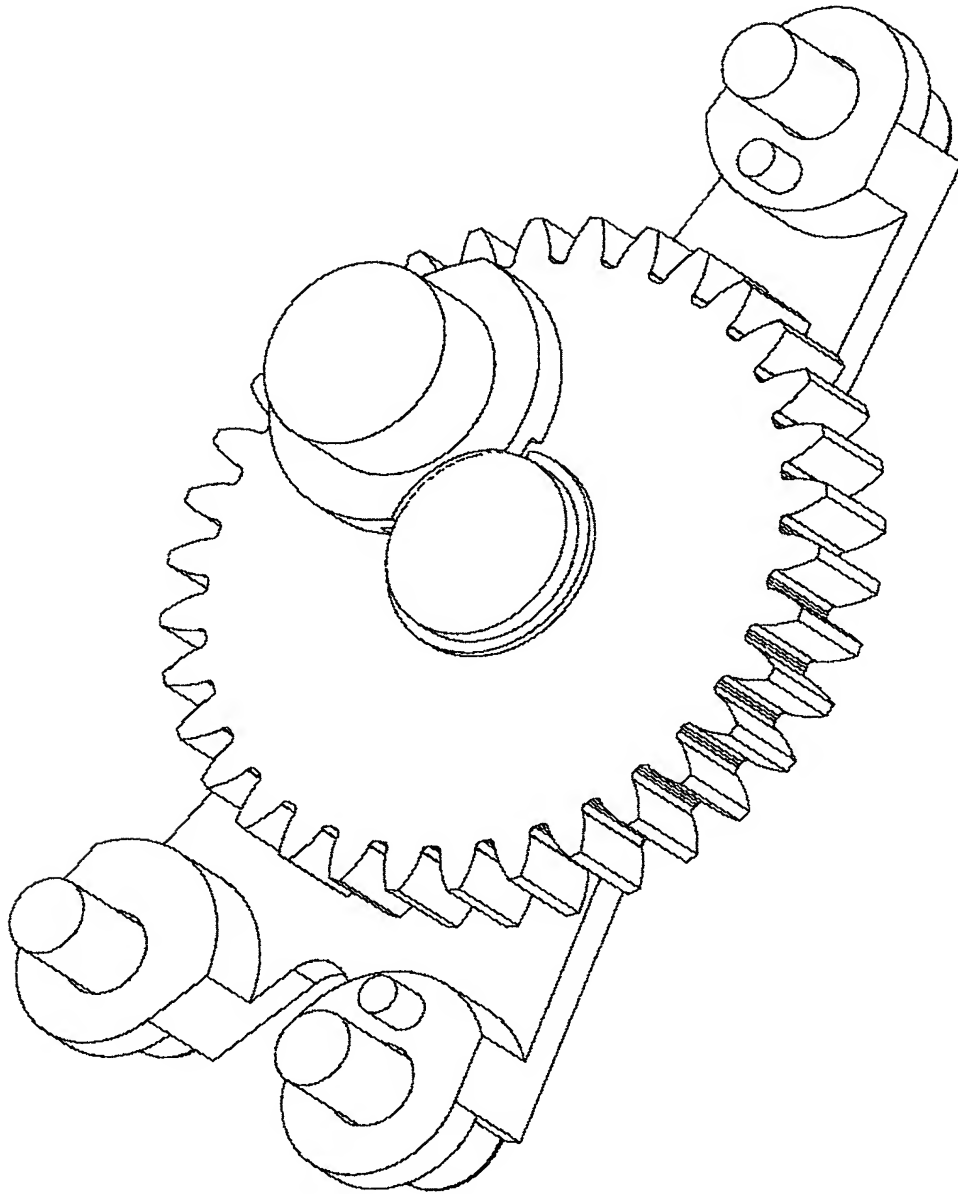


FIG. 33b



1200 IN DIFFERENT VIEWS

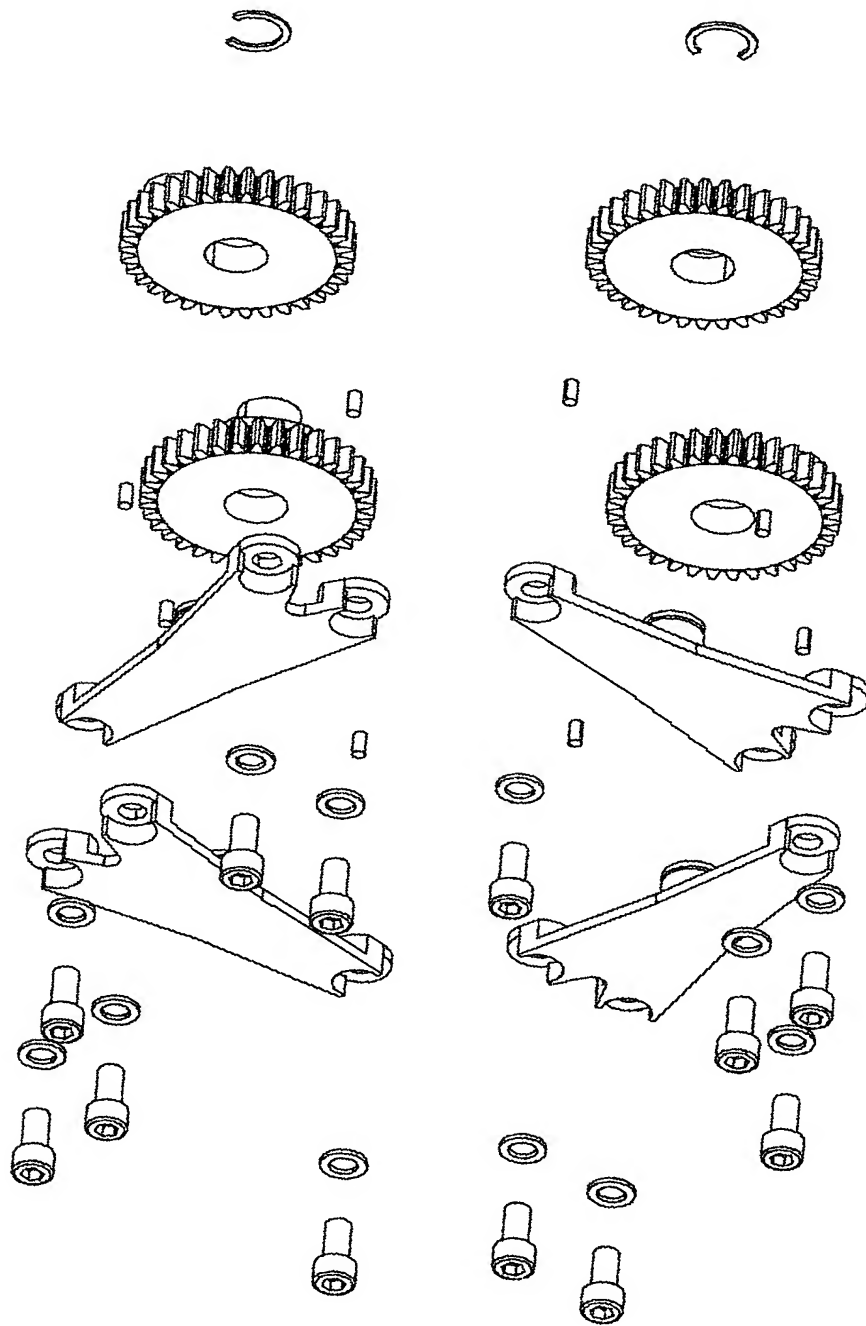
39/76



ZOOMED VIEW OF 1200

FIG. 33c

40/76



EXPLODED VIEW OF 1200

FIG. 34

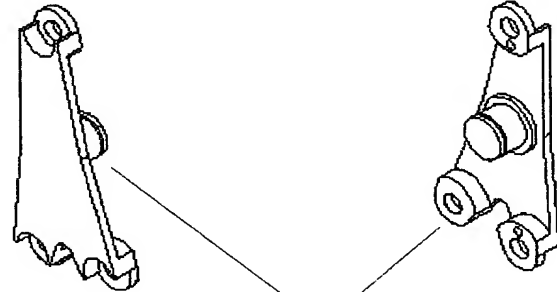


41/76

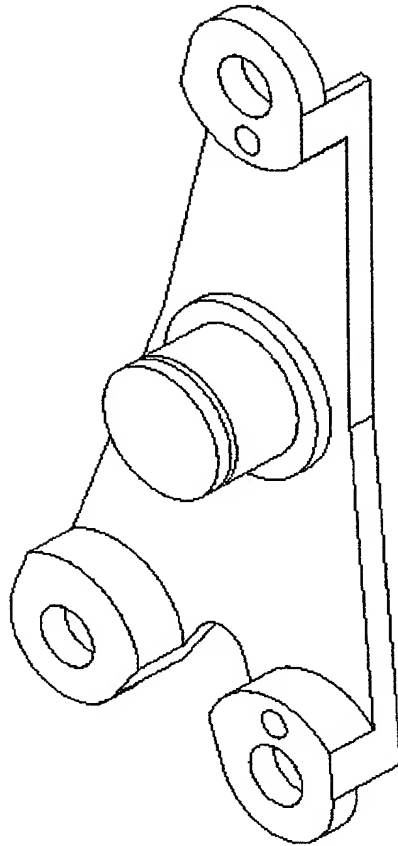
FIG. 35b

FIG. 35a

1203  
FIG. 36



1204



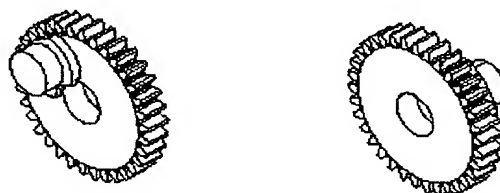
ZOOMED VIEW OF 1204

FIG. 35c

42/76

FIG. 37b

FIG. 37a

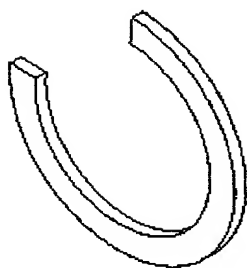


1202



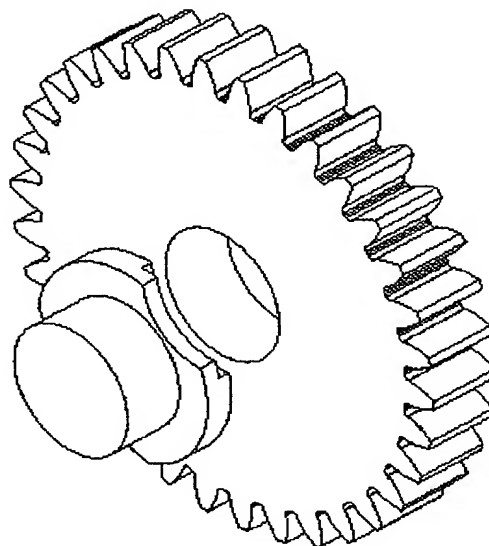
1201

FIG. 38a



ZOOMED VIEW OF 1201

FIG. 38b



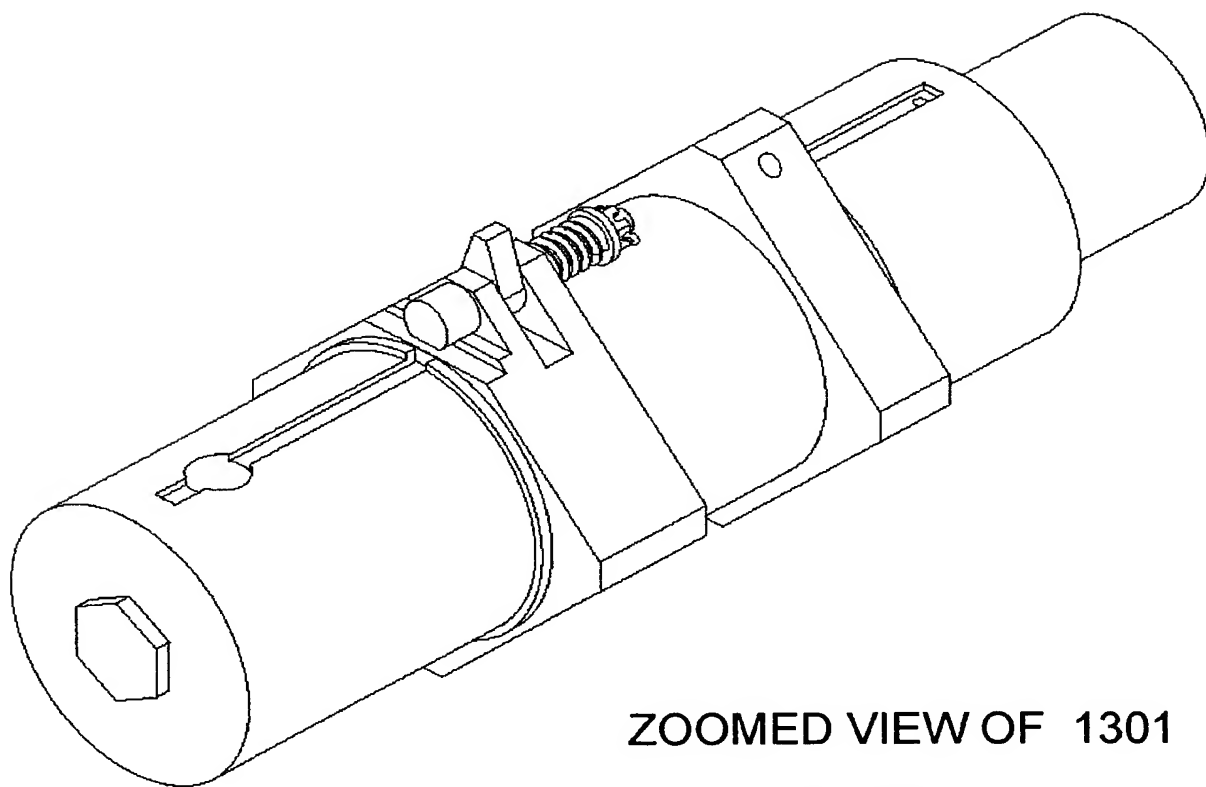
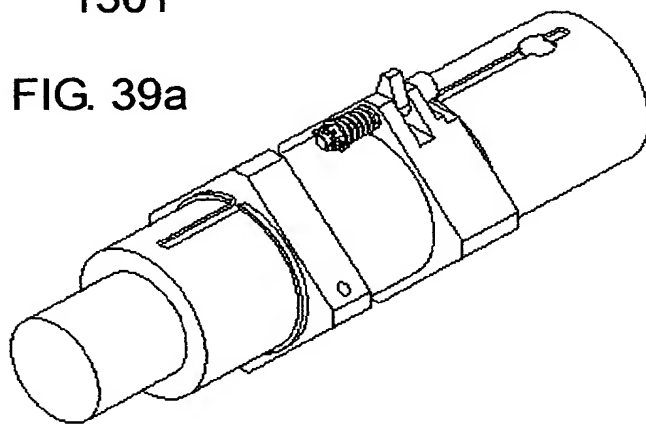
ZOOMED VIEW OF 1202

FIG. 37c

43/76

1301

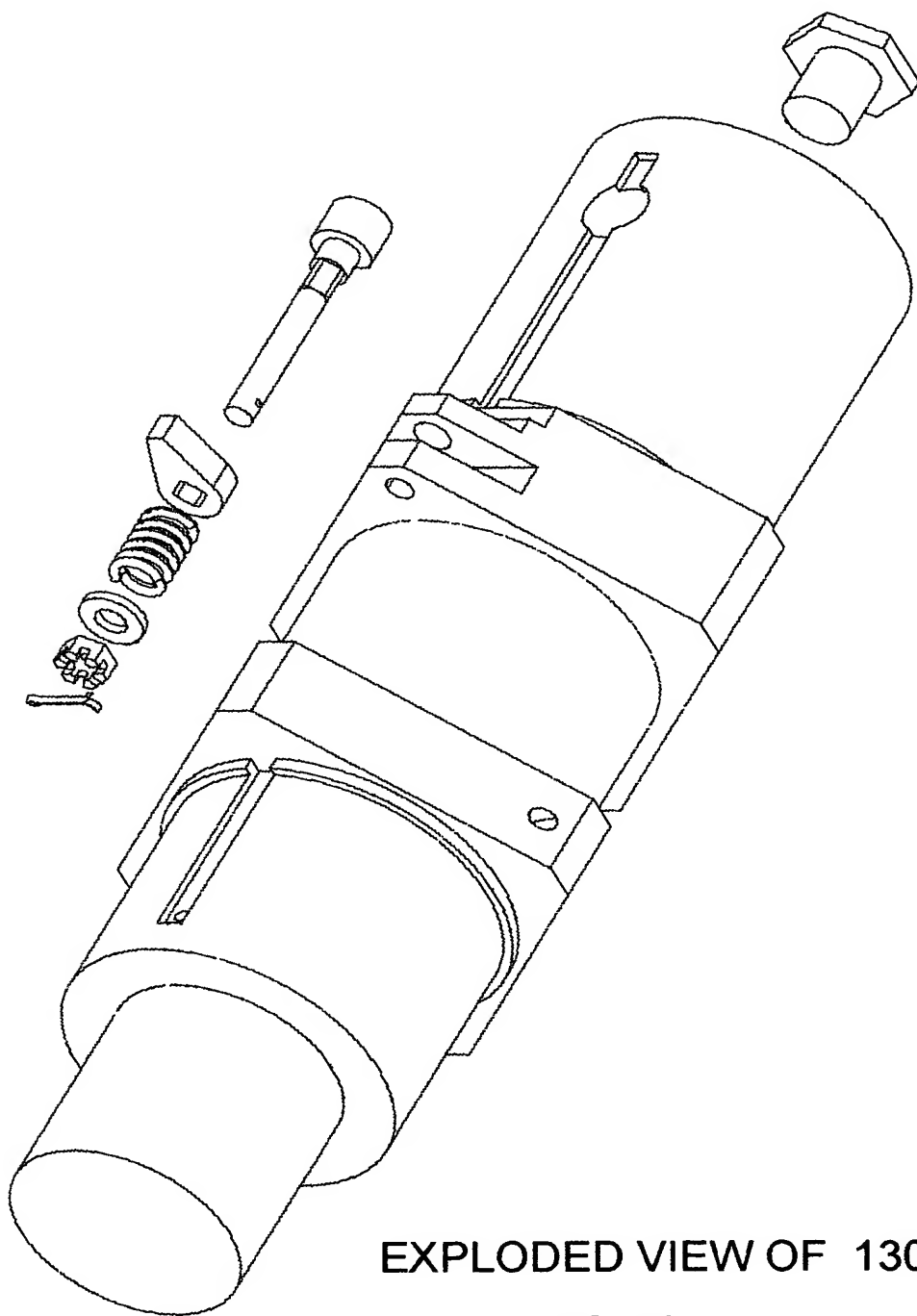
FIG. 39a



ZOOMED VIEW OF 1301

FIG. 39b

44/76

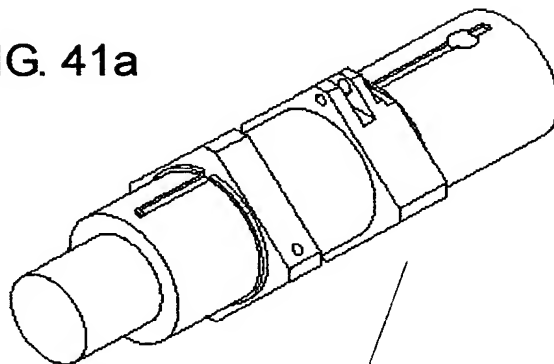


EXPLODED VIEW OF 1301

FIG. 40

45/76

FIG. 41a



1301  
IN DIFFERENT VIEWS

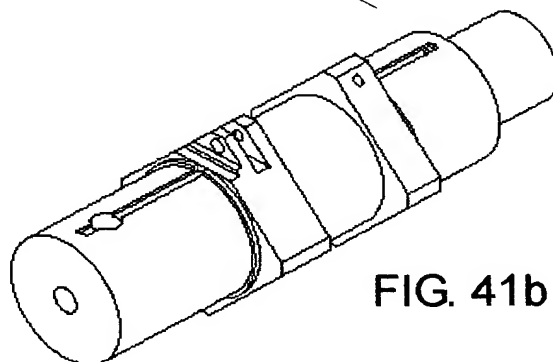


FIG. 41b



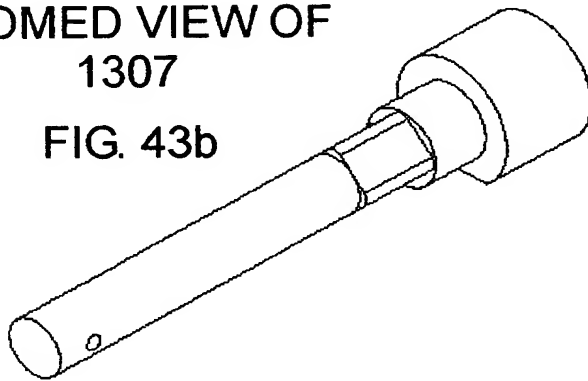
1308

FIG. 42

46/76

ZOOMED VIEW OF  
1307

FIG. 43b



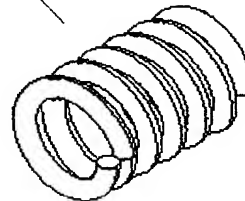
1307

FIG. 43a



ZOOMED VIEW OF 1305

FIG. 45b



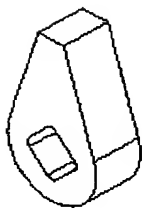
1306

FIG. 44a



ZOOMED VIEW OF  
1306

FIG. 44b



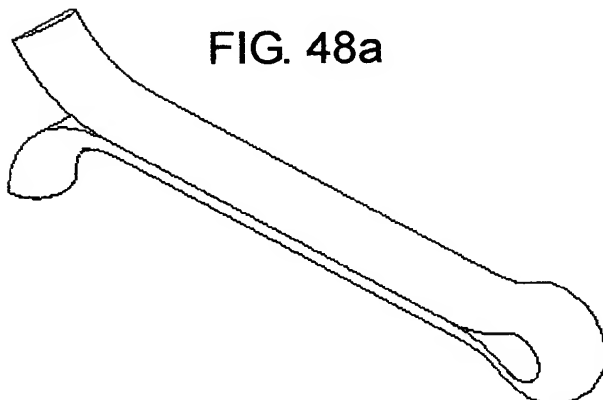
1305

FIG. 45a



1302

FIG. 48a



ZOOMED VIEW OF 1302

FIG. 48b

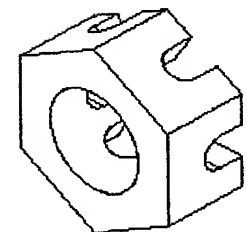
1304

FIG. 47



1303

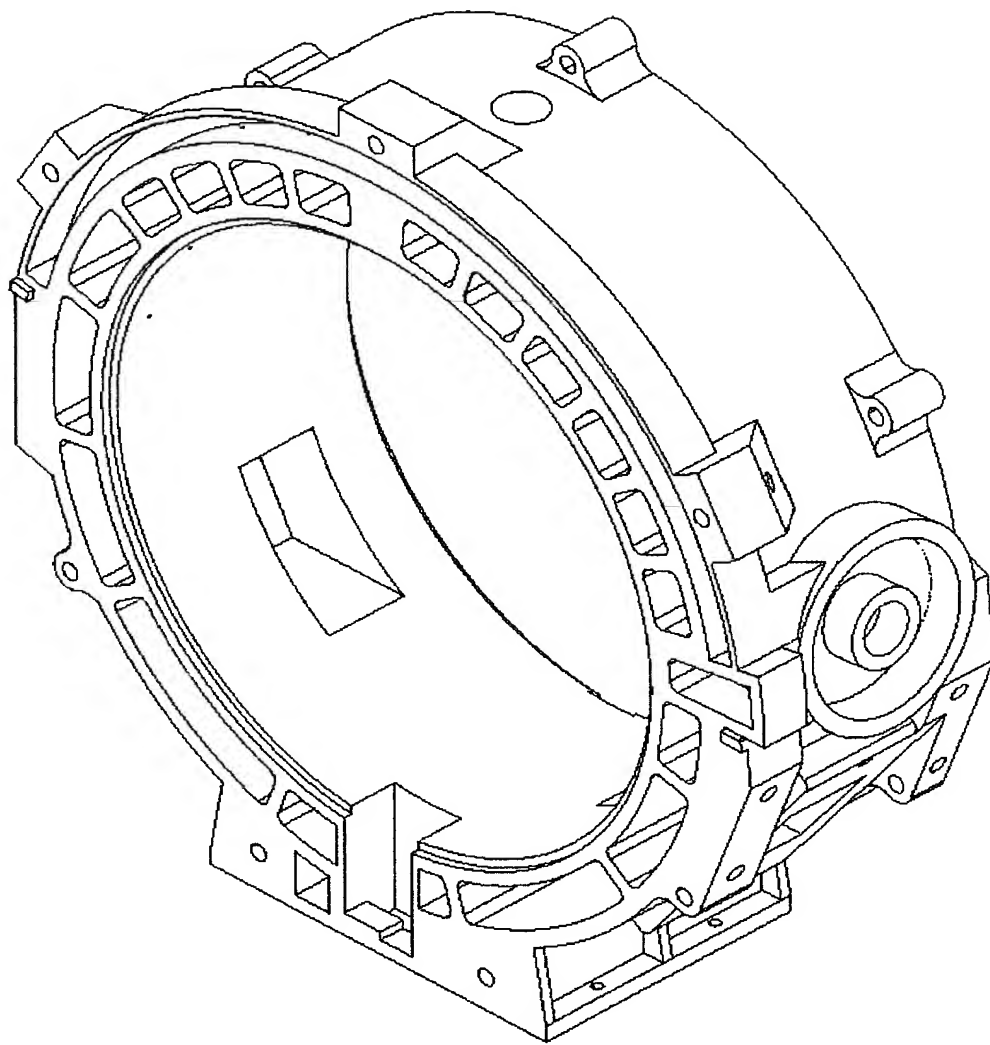
FIG. 46a



ZOOMED VIEW OF  
1303

FIG. 46b

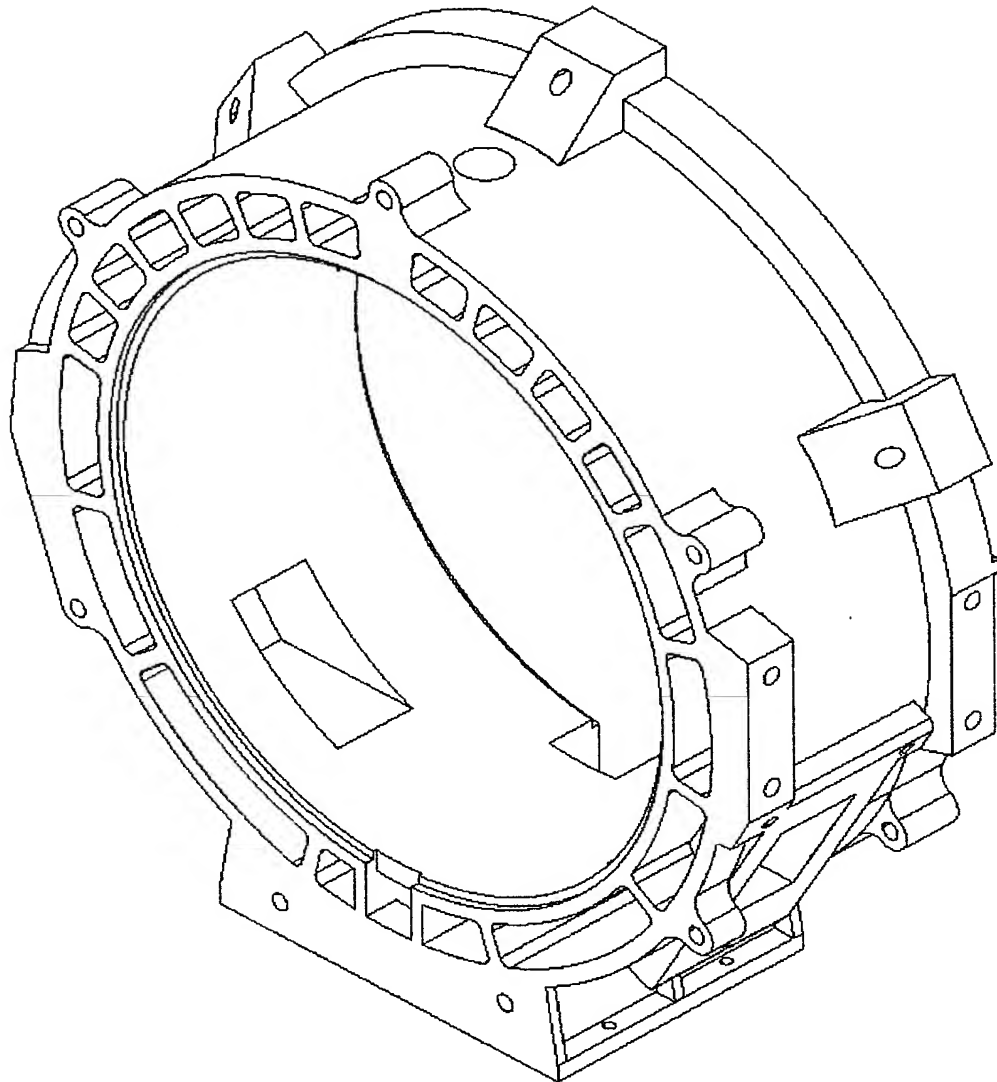
47/76



2101

FIG. 49a

48/76

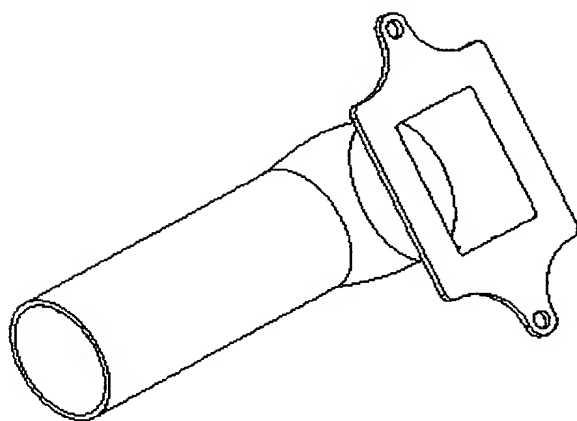


OTHER VIEW OF 2101

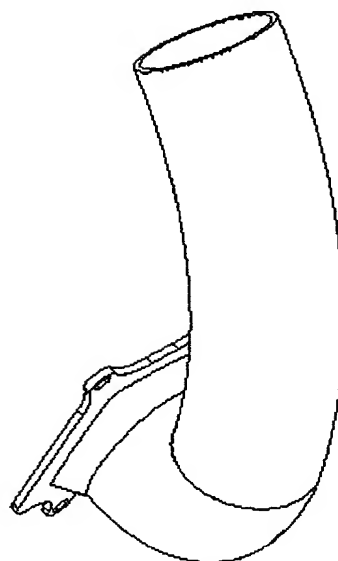
FIG. 49b



49/76



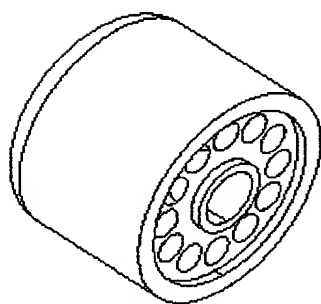
2105  
FIG. 52



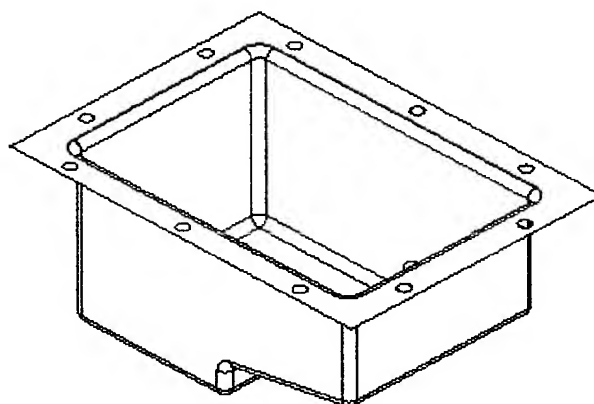
2111  
FIG. 51



2102  
FIG. 50



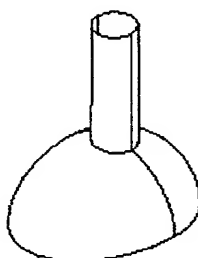
2104  
FIG. 54



2109  
FIG. 53



2103  
FIG. 57

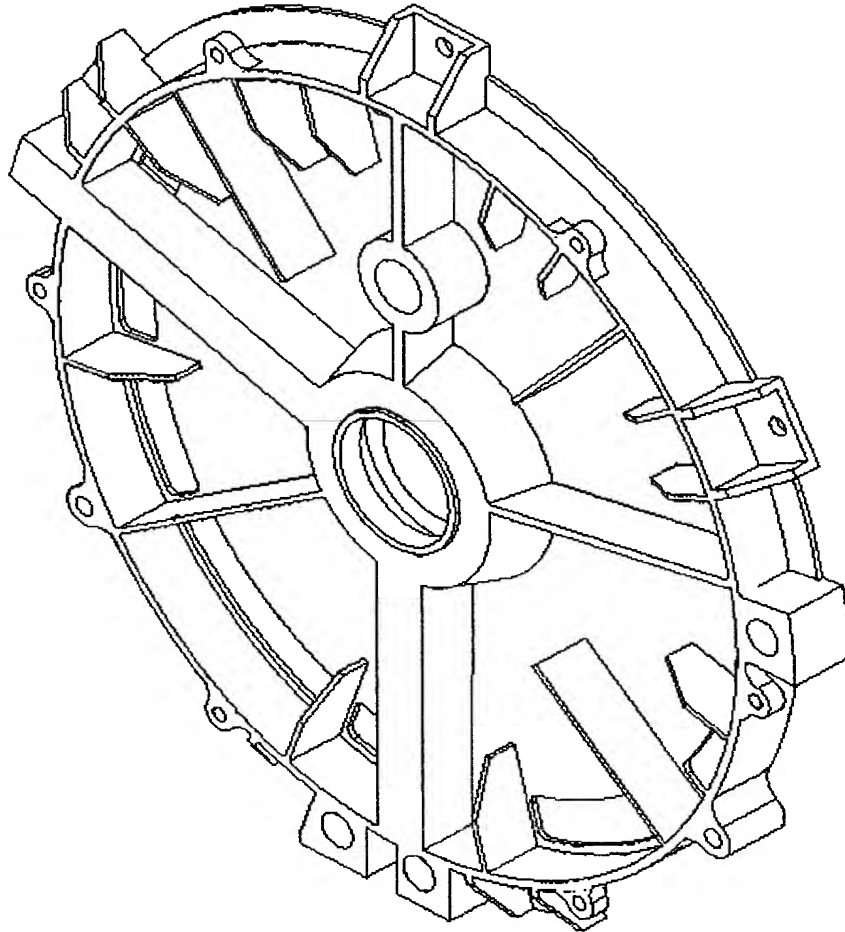


2108  
FIG. 56



2110  
FIG. 55

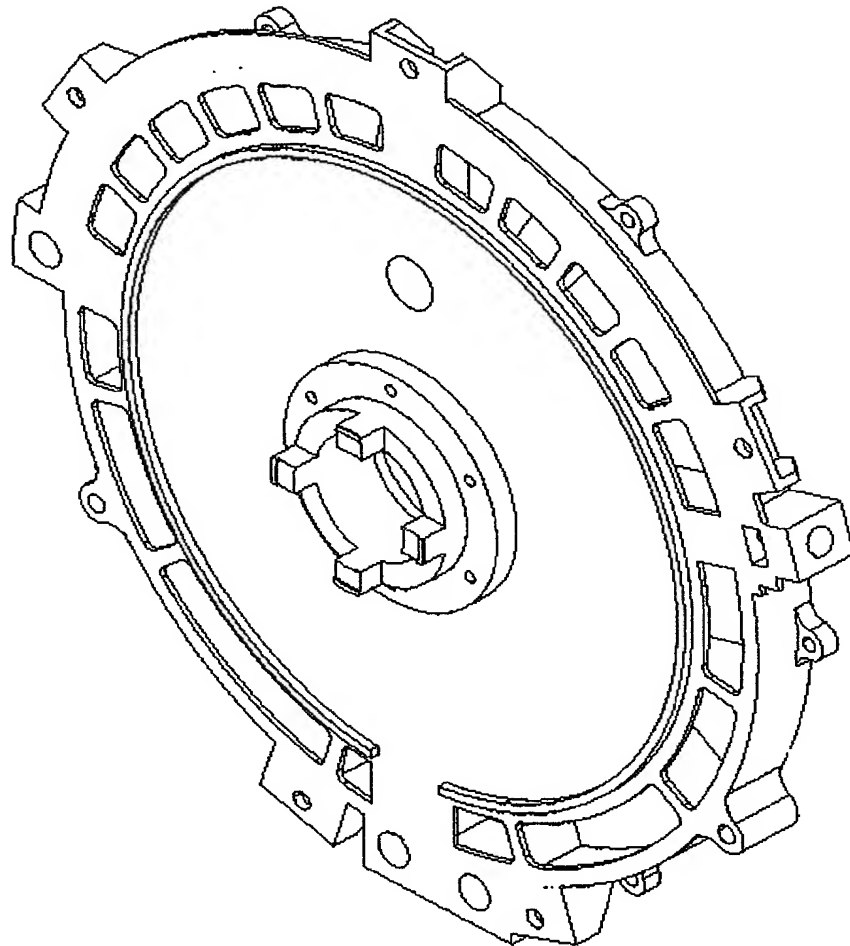
50/76



3105

FIG. 58a

51/76



OTHER VIEW 3105

FIG. 58b

52/76



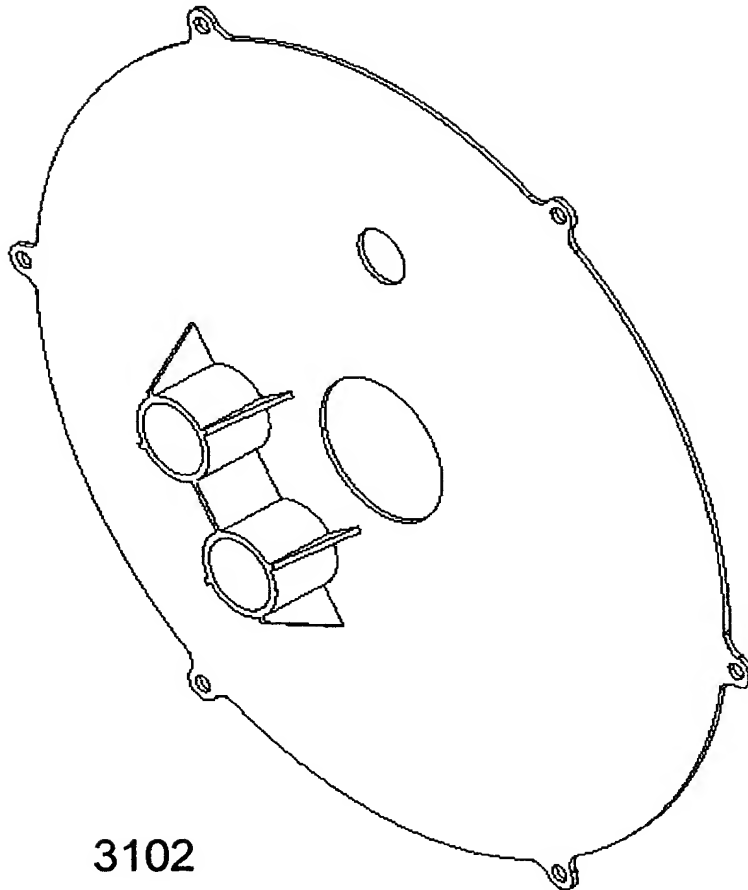
3101

FIG. 60



3106

FIG. 59



3102

FIG. 61

53/76

FIG. 62b

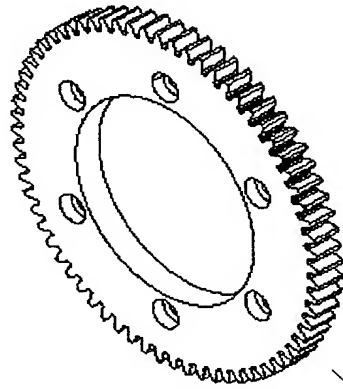
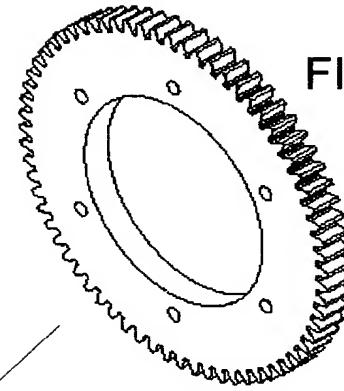
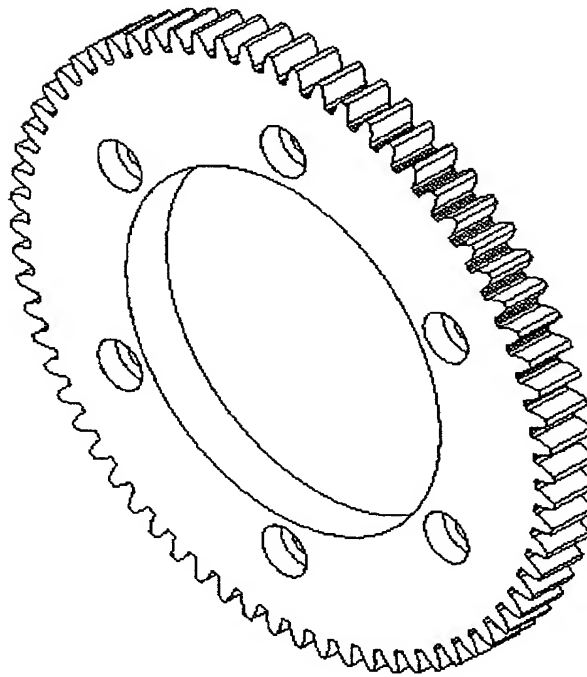


FIG. 62a



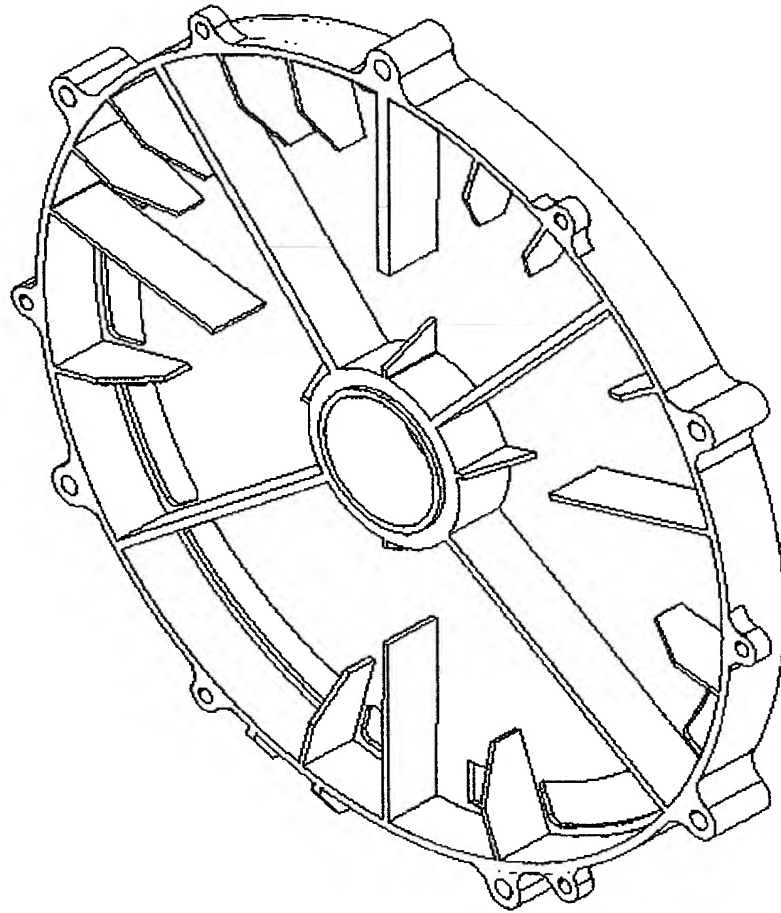
3107 IN DIFFERENT VIEWS



ZOOMED VIEW OF 3107

FIG. 62c

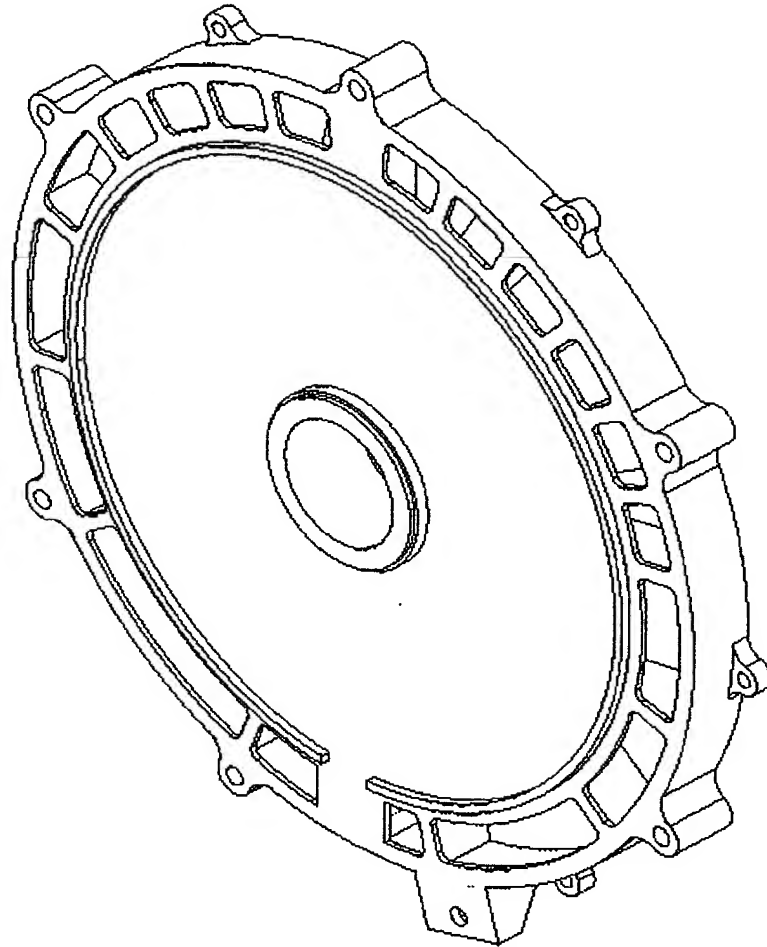
54/76



4104

FIG. 63a

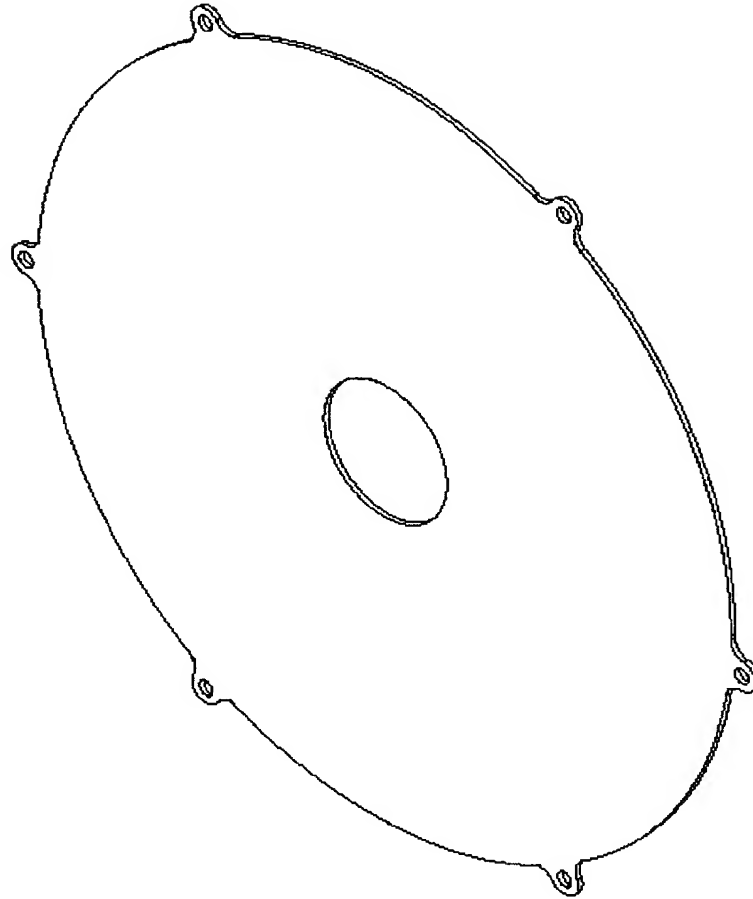
55/76



OTHER VIEW OF 4104

FIG. 63b

56/76



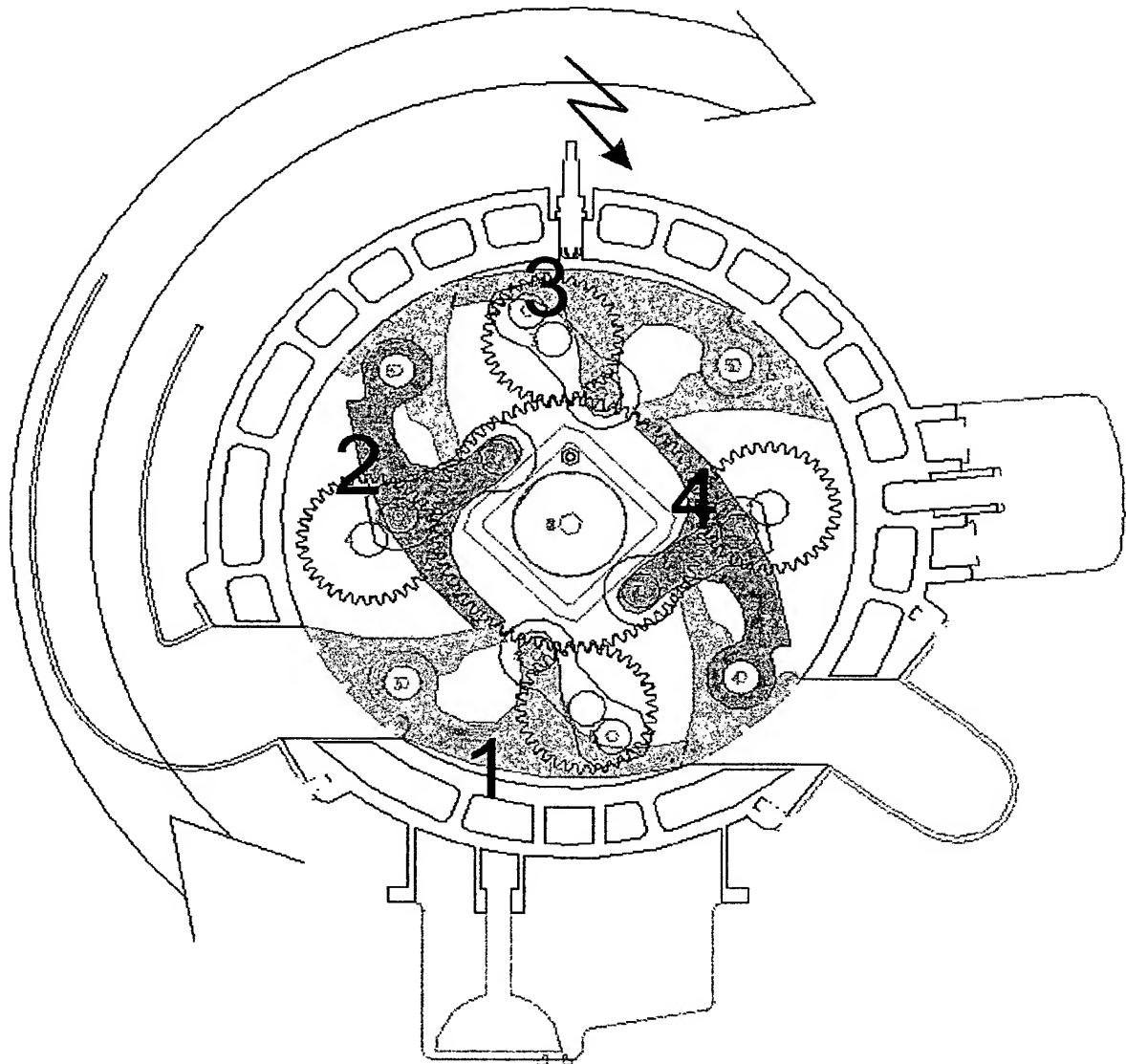
4101

FIG. 64



57/76

PISTON NO. 1 IS AT THE START OF INTAKE STROKE.  
PISTON NO. 2 IS AT THE START OF COMPRESSION STROKE.  
PISTON NO. 3 IS AT THE START OF COMBUSTION STROKE.  
PISTON NO. 4 IS AT THE START OF EXHAUST GAS STROKE.

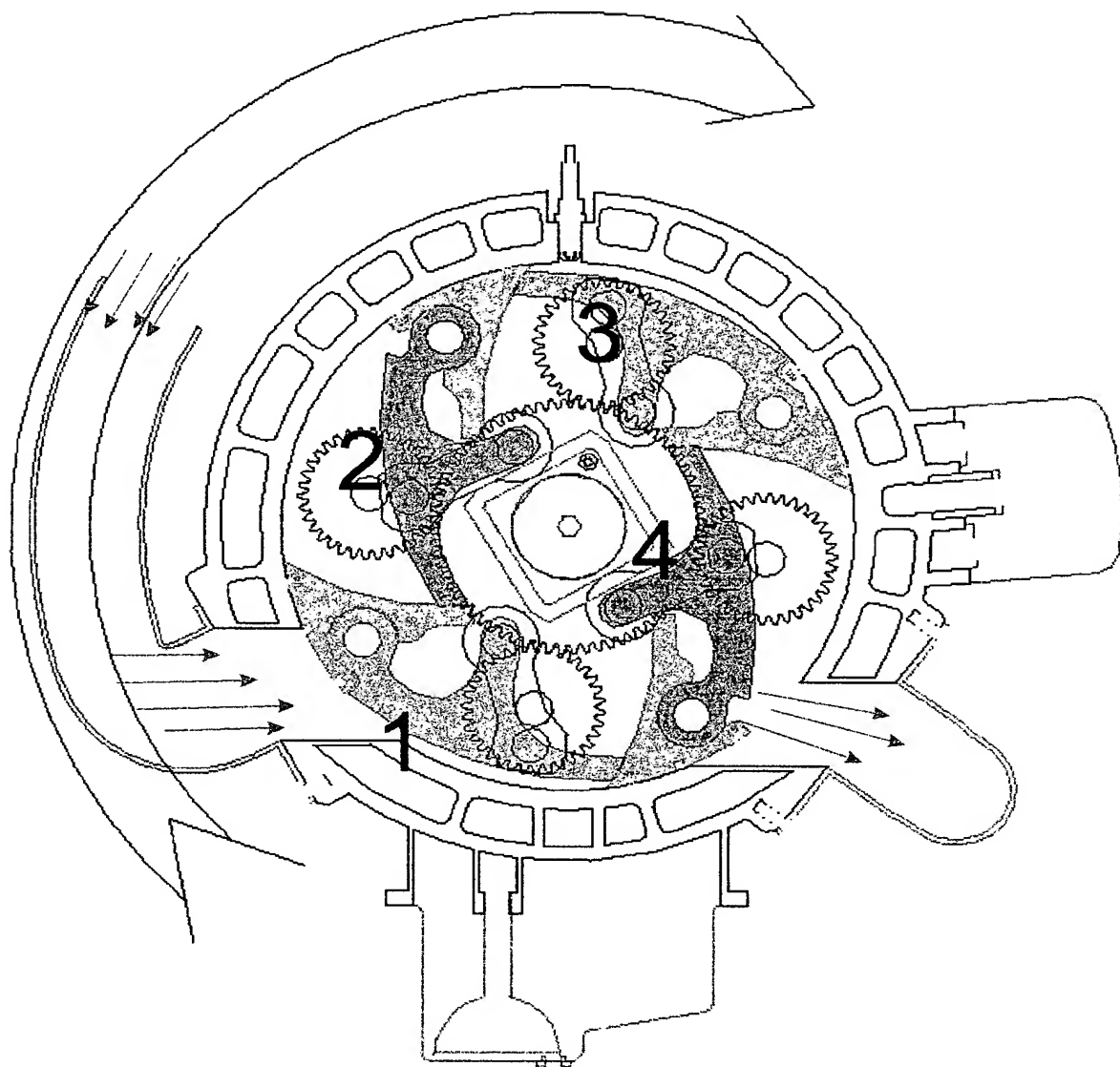


0 DEGREE ROTATION OF MAIN SHAFT

FIG. 65

58/76

PISTON NO. 1 IS IN INTAKE STROKE.  
PISTON NO. 2 IS IN COMPRESSION STROKE.  
PISTON NO. 3 IS IN COMBUSTION STROKE .  
PISTON NO. 4 IS IN EXHAUST GAS STROKE .

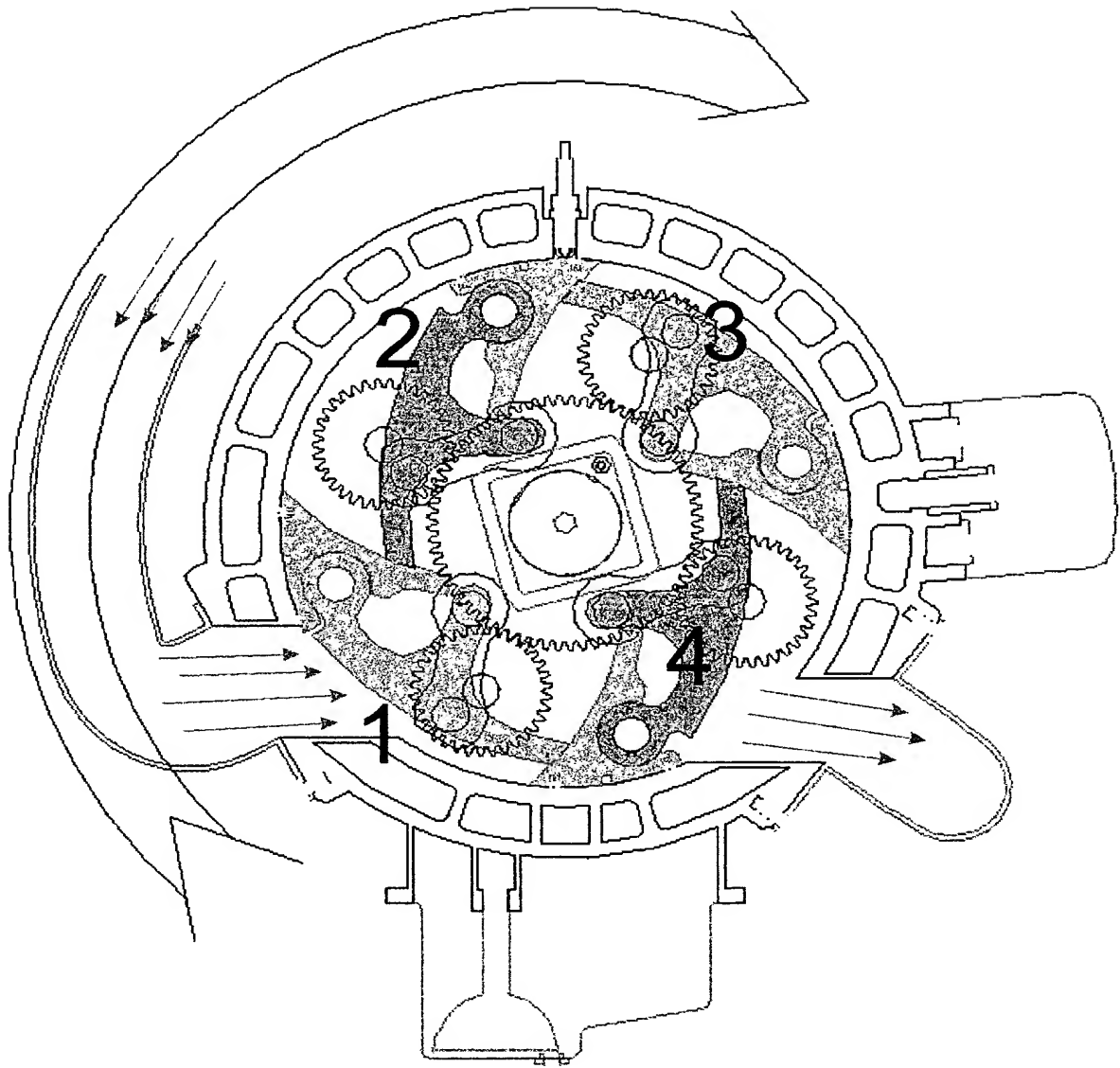


15 DEGREE ROTATION OF MAIN SHAFT

FIG. 66

59/76

PISTON NO. 1 IS IN INTAKE STROKE.  
PISTON NO. 2 IS IN COMPRESSION STROKE.  
PISTON NO. 3 IS IN COMBUSTION STROKE .  
PISTON NO. 4 IS IN EXHAUST GAS STROKE .

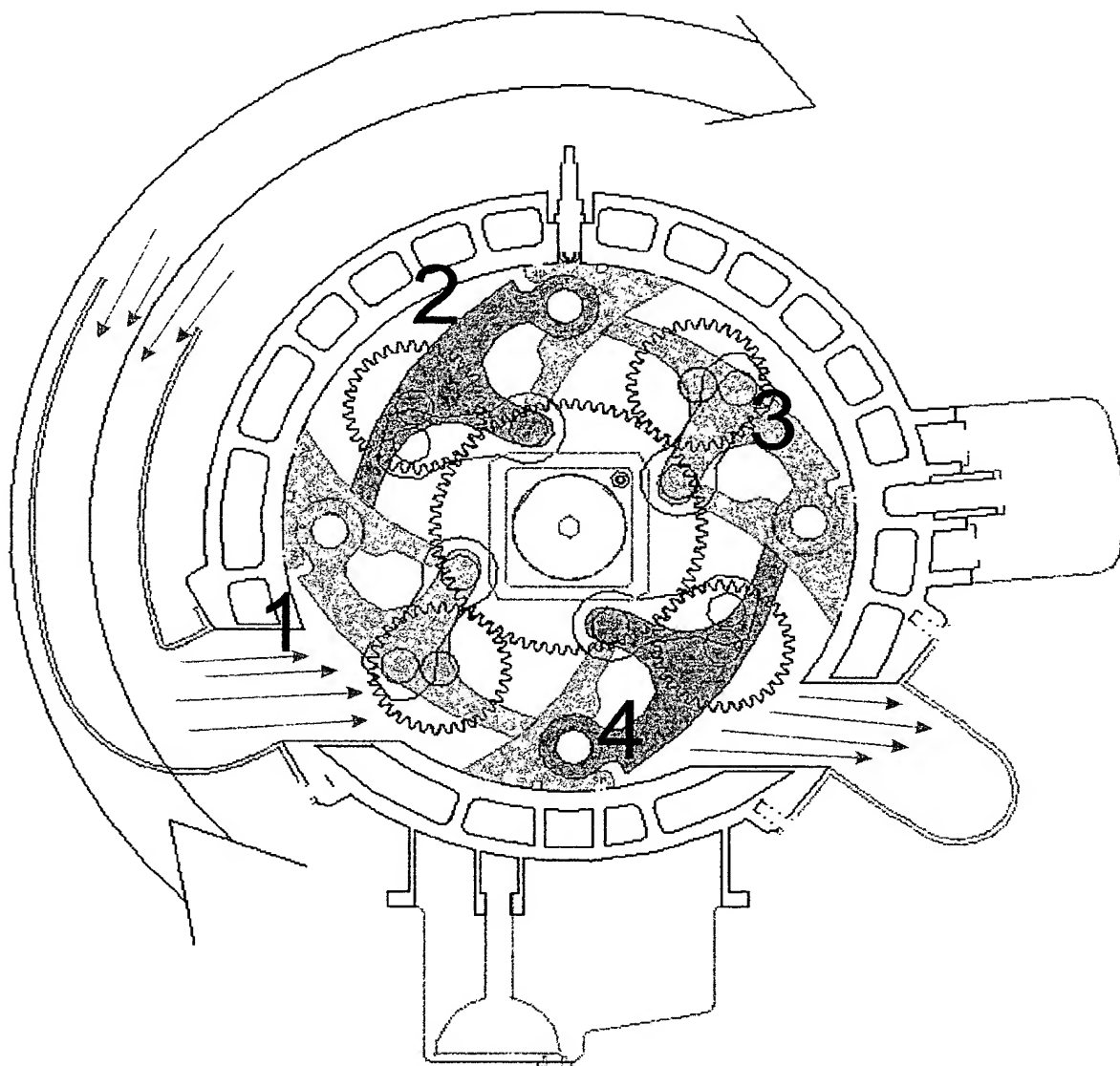


30 DEGREE ROTATION OF MAIN SHAFT

FIG. 67

60/76

PISTON NO. 1 IS IN INTAKE STROKE.  
PISTON NO. 2 IS IN COMPRESSION STROKE.  
PISTON NO. 3 IS IN COMBUSTION STROKE .  
PISTON NO. 4 IS IN EXHAUST GAS STROKE .

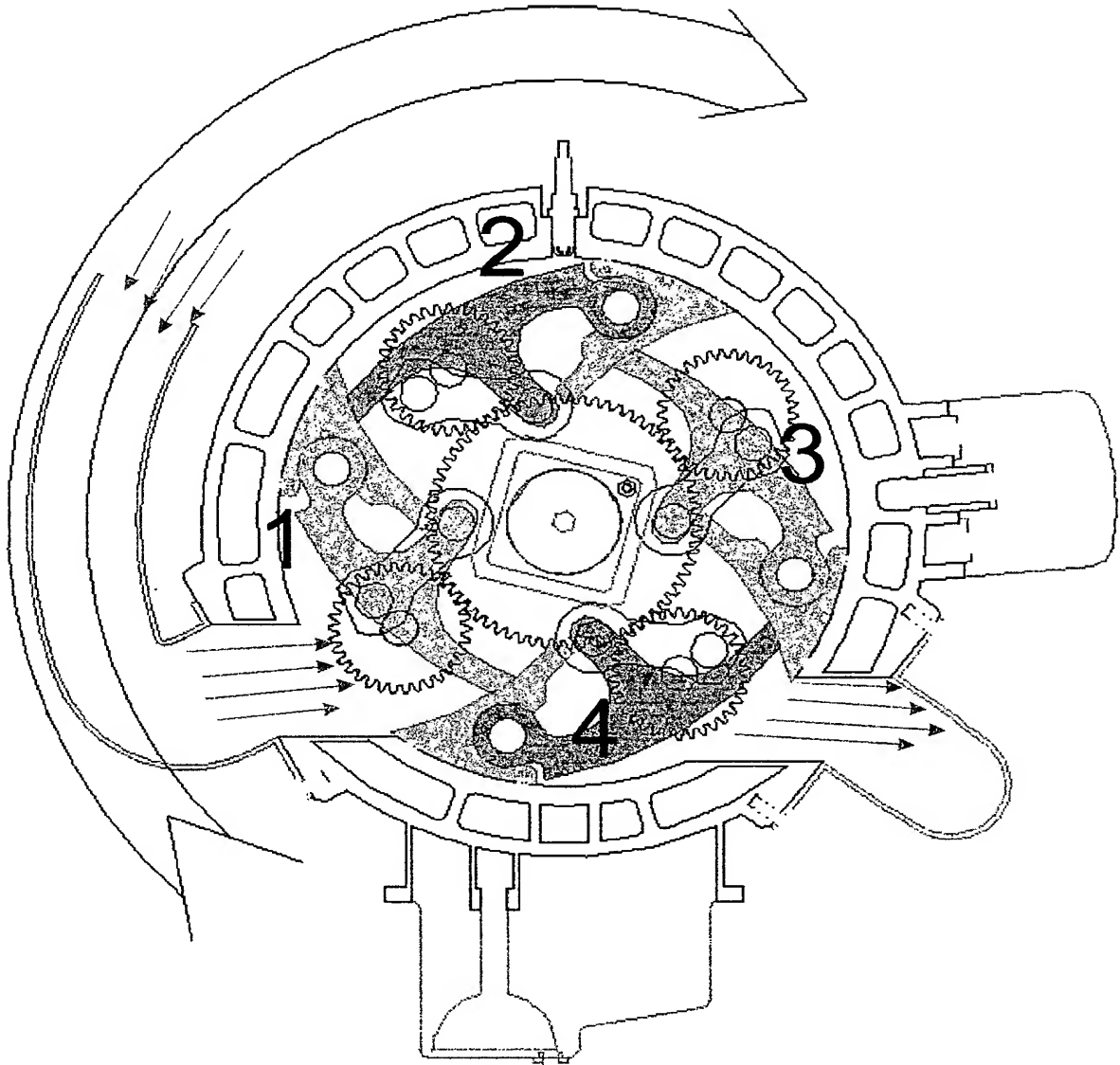


45 DEGREE ROTATION OF MAIN SHAFT

FIG. 68

61/76

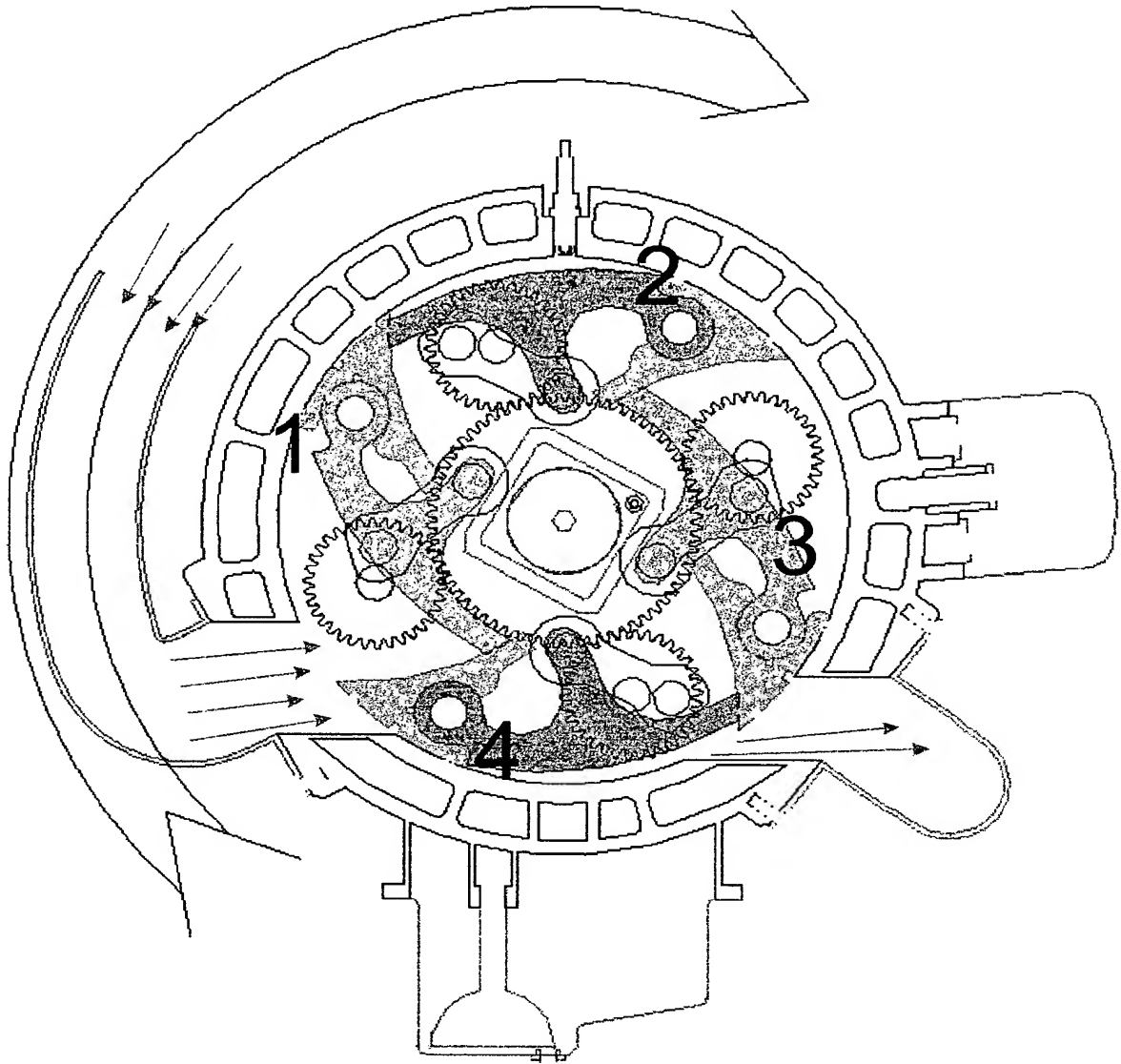
PISTON NO. 1 IS IN INTAKE STROKE.  
PISTON NO. 2 IS IN COMPRESSION STROKE.  
PISTON NO. 3 IS IN COMBUSTION STROKE .  
PISTON NO. 4 IS IN EXHAUST GAS STROKE .



60 DEGREE ROTATION OF MAIN SHAFT  
FIG. 69

62/76

PISTON NO. 1 IS IN INTAKE STROKE.  
PISTON NO. 2 IS IN COMPRESSION STROKE.  
PISTON NO. 3 IS IN COMBUSTION STROKE .  
PISTON NO. 4 IS IN EXHAUST GAS STROKE .

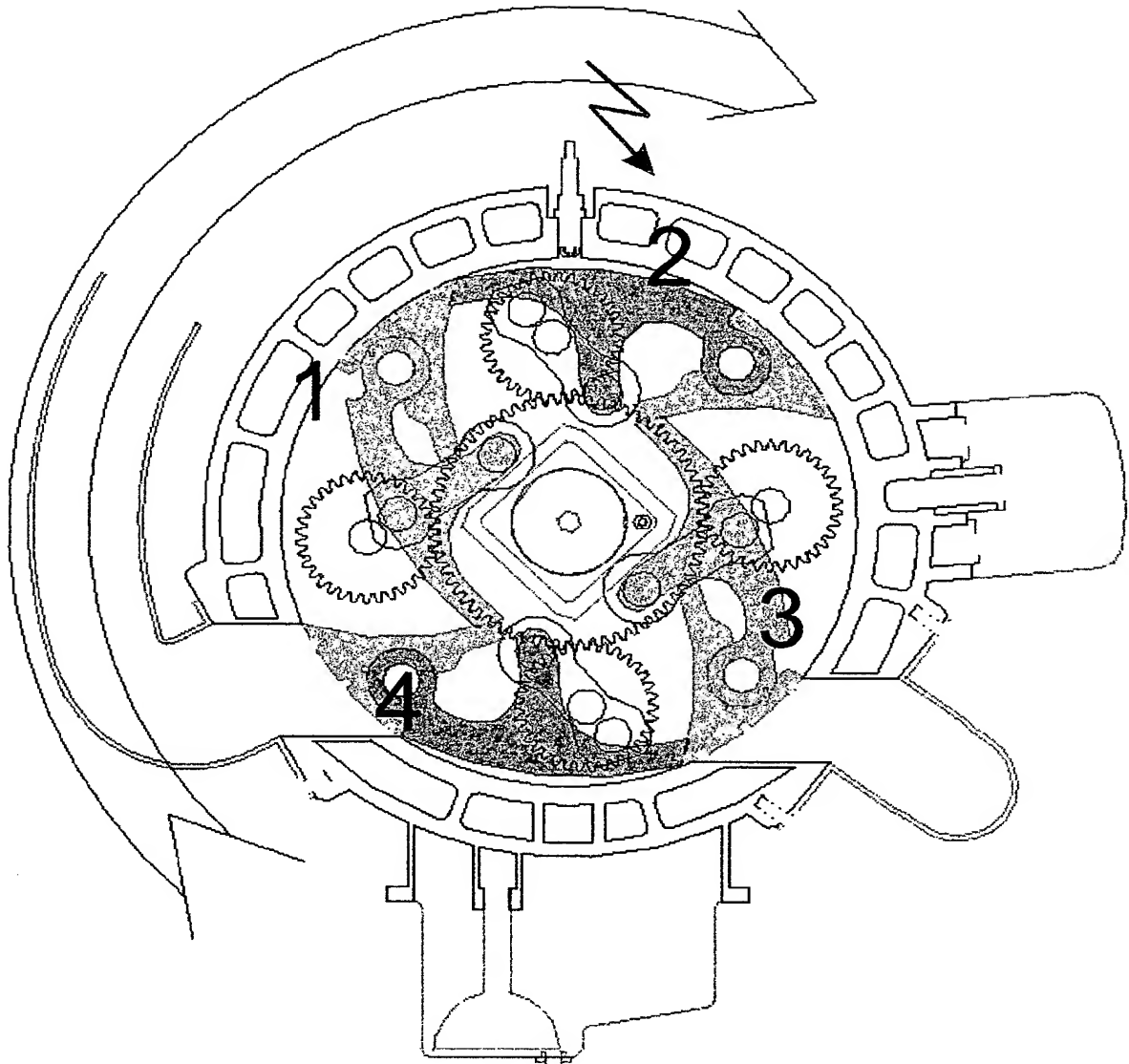


75 DEGREE OF ROTATION OF MAIN SHAFT

FIG. 70

63/76

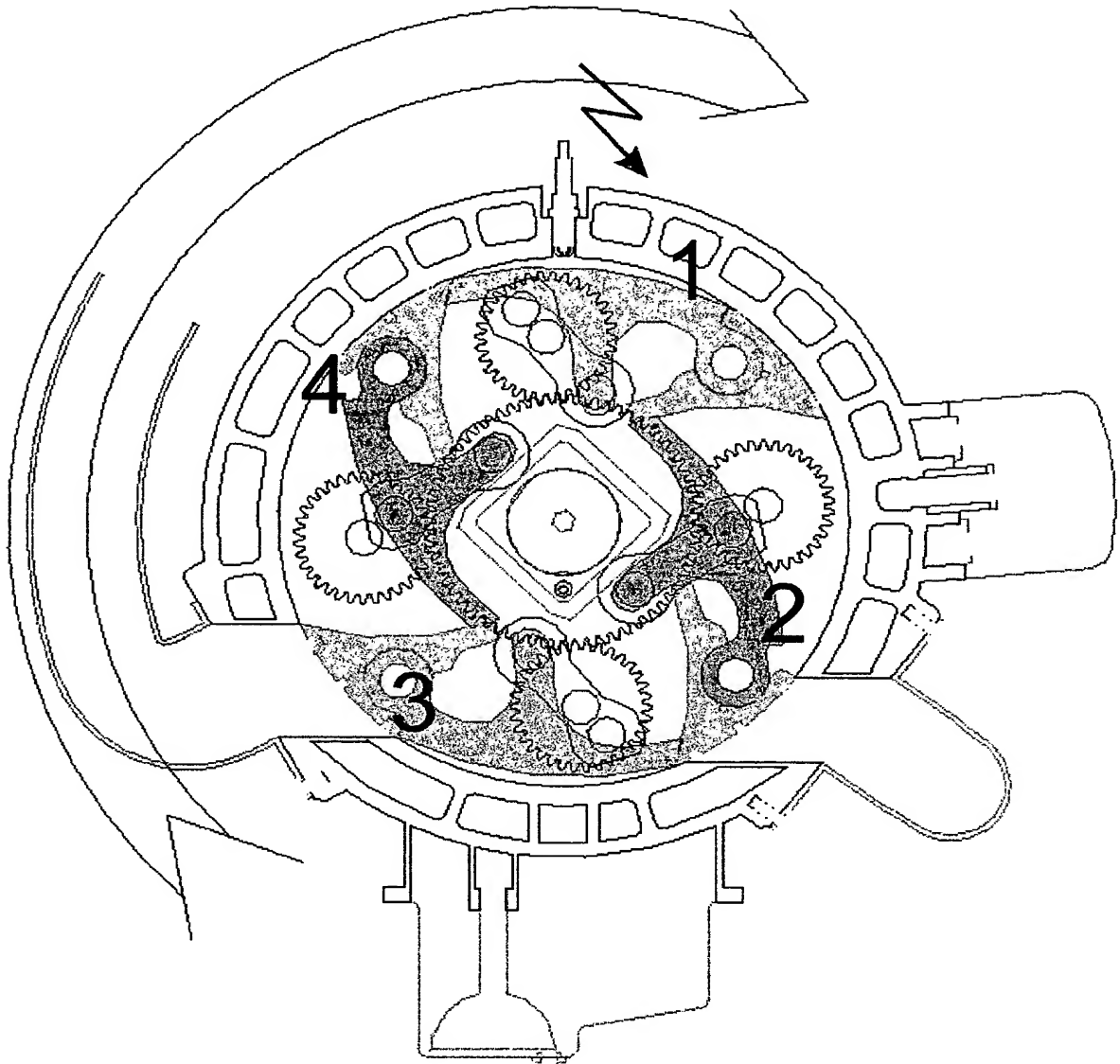
PISTON NO. 1 IS AT THE START OF COMPRESSION STROKE.  
PISTON NO. 2 IS AT THE START OF COMBUSTION STROKE.  
PISTON NO. 3 IS AT THE START OF EXHAUST GAS STROKE .  
PISTON NO. 4 IS AT THE START OF INTAKE STROKE .



90 DEGREE ROTATION OF MAIN SHAFT  
FIG. 71

64/76

PISTON NO. 1 IS AT THE START OF COMBUSTION STROKE.  
PISTON NO. 2 IS AT THE START OF EXHAUST GAS STROKE.  
PISTON NO. 3 IS AT THE START OF INTAKE STROKE .  
PISTON NO. 4 IS AT THE START OF COMPRESSION STROKE .



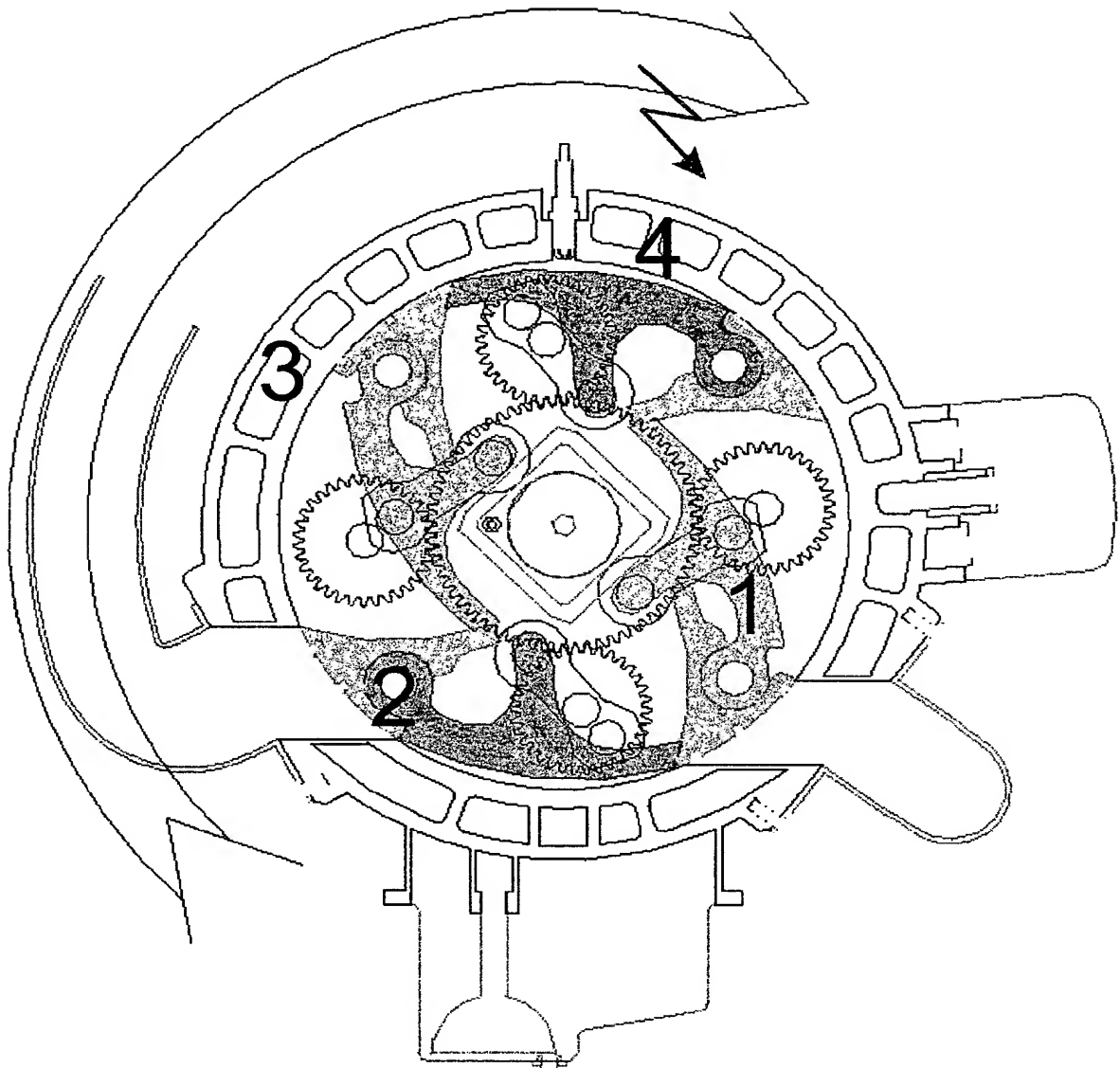
180 DEGREE ROTATION OF MAIN SHAFT

FIG. 72



65/76

PISTON NO. 1 IS AT THE START OF EXHAUST GAS STROKE.  
PISTON NO. 2 IS AT THE START OF INTAKE STROKE.  
PISTON NO. 3 IS AT THE START OF COMPRESSION STROKE .  
PISTON NO. 4 IS AT THE START OF COMBUSTION STROKE .



270 DEGREE ROTATION OF MAIN SHAFT

FIG. 73

66/76

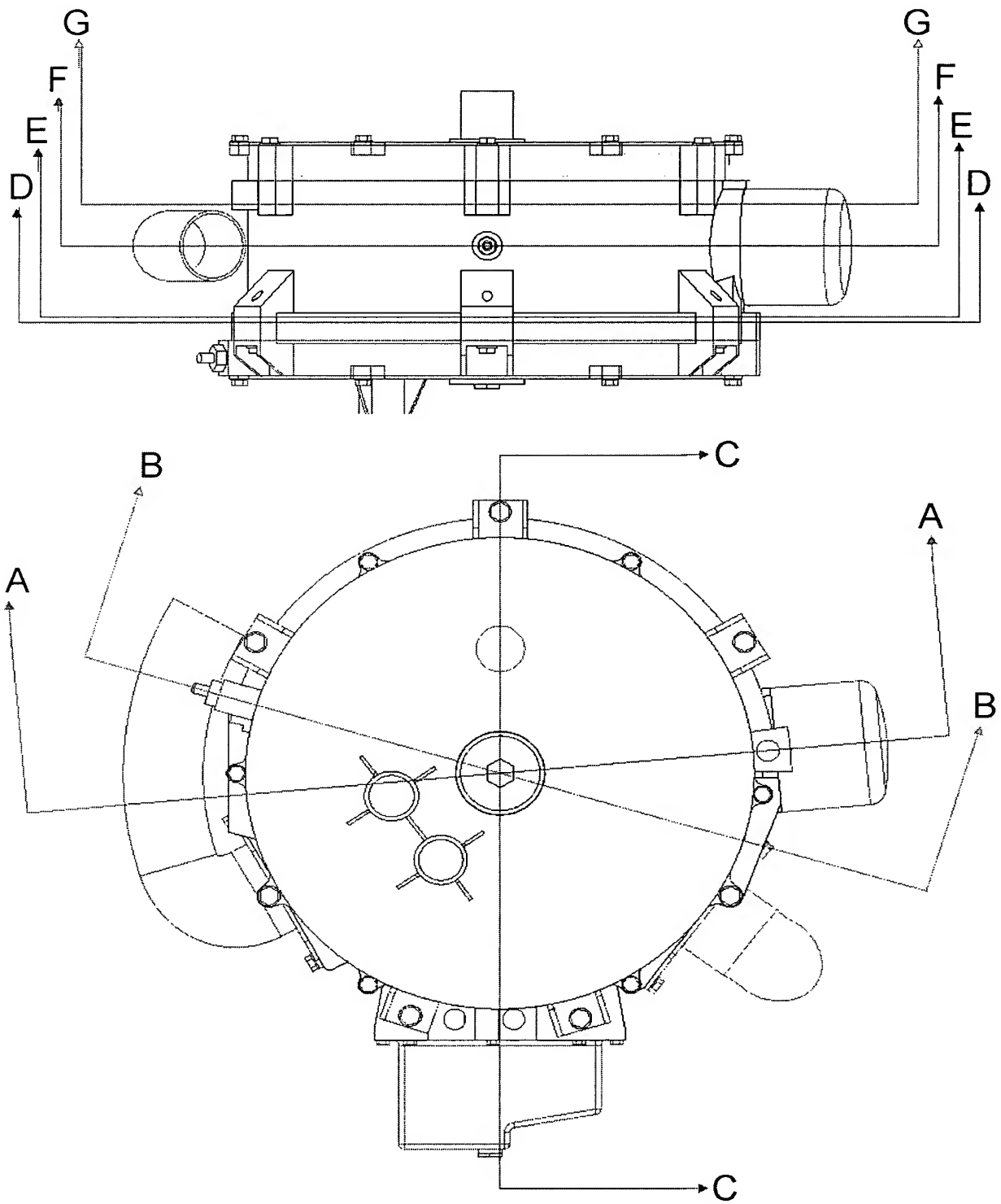


FIG. 74 -FRONT AND TOP VIEW OF ENGINE

67/76

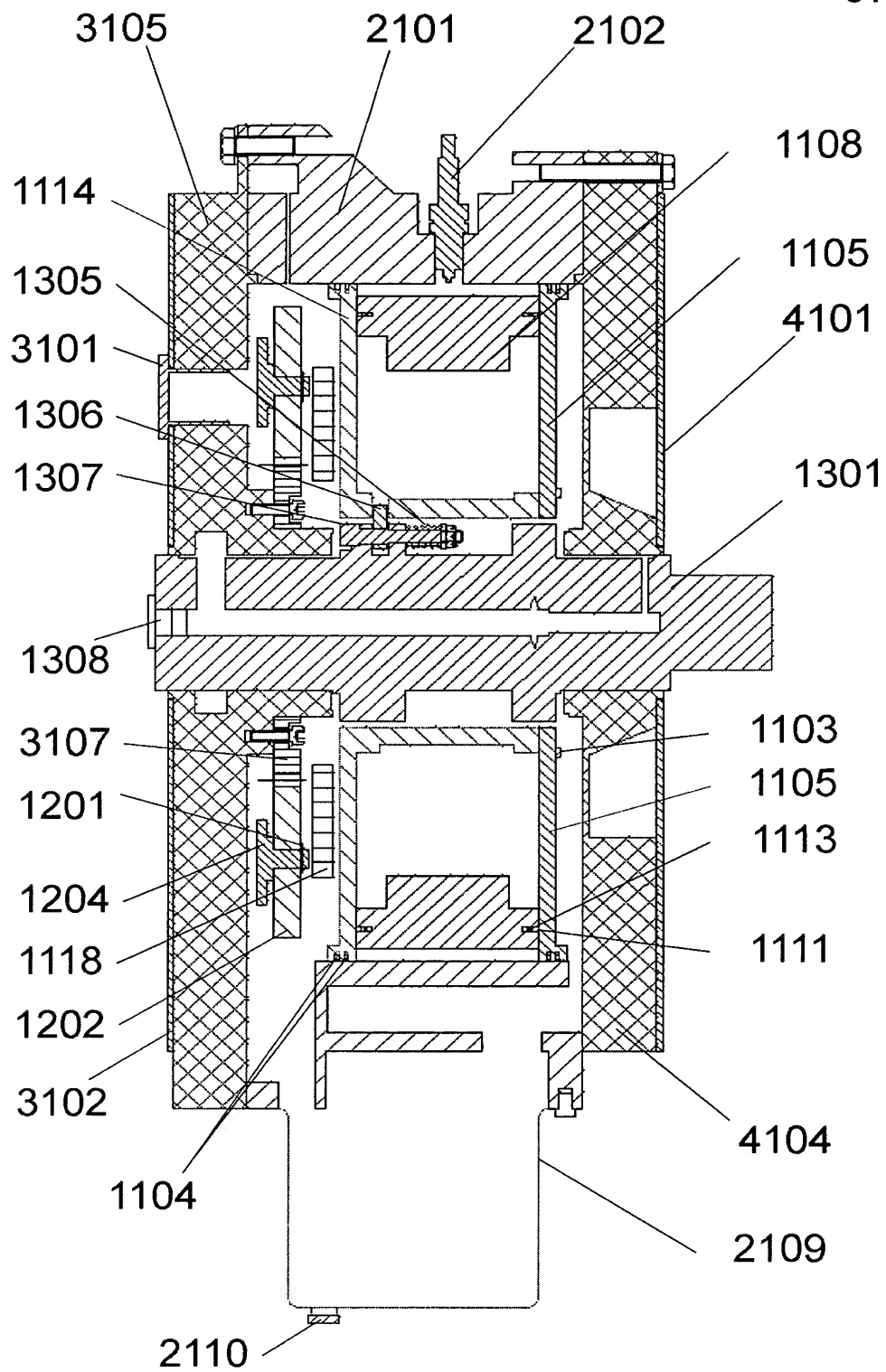


FIG. 75 - SECTION C-C

68/76

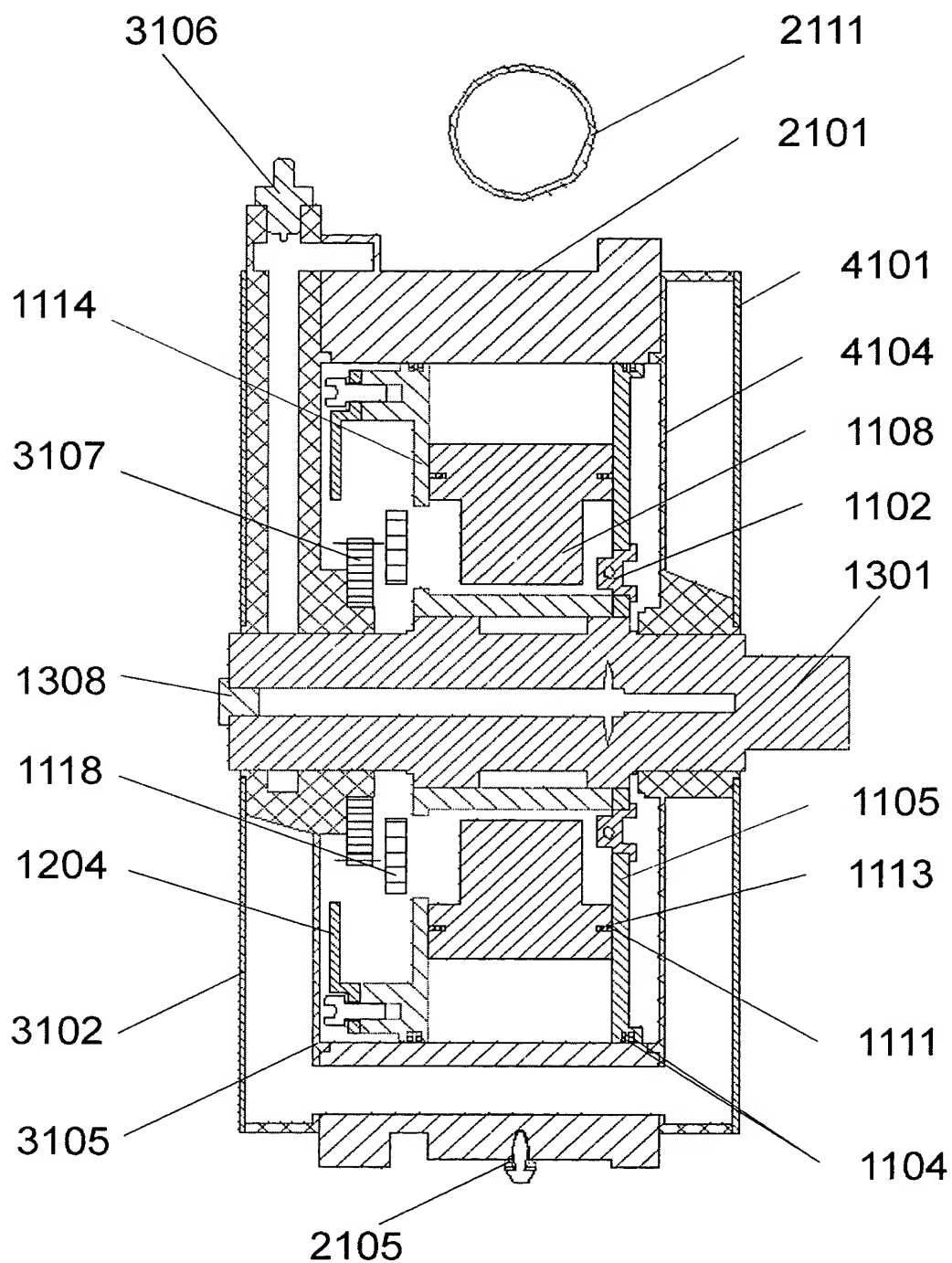


FIG. 76 - SECTION B-B

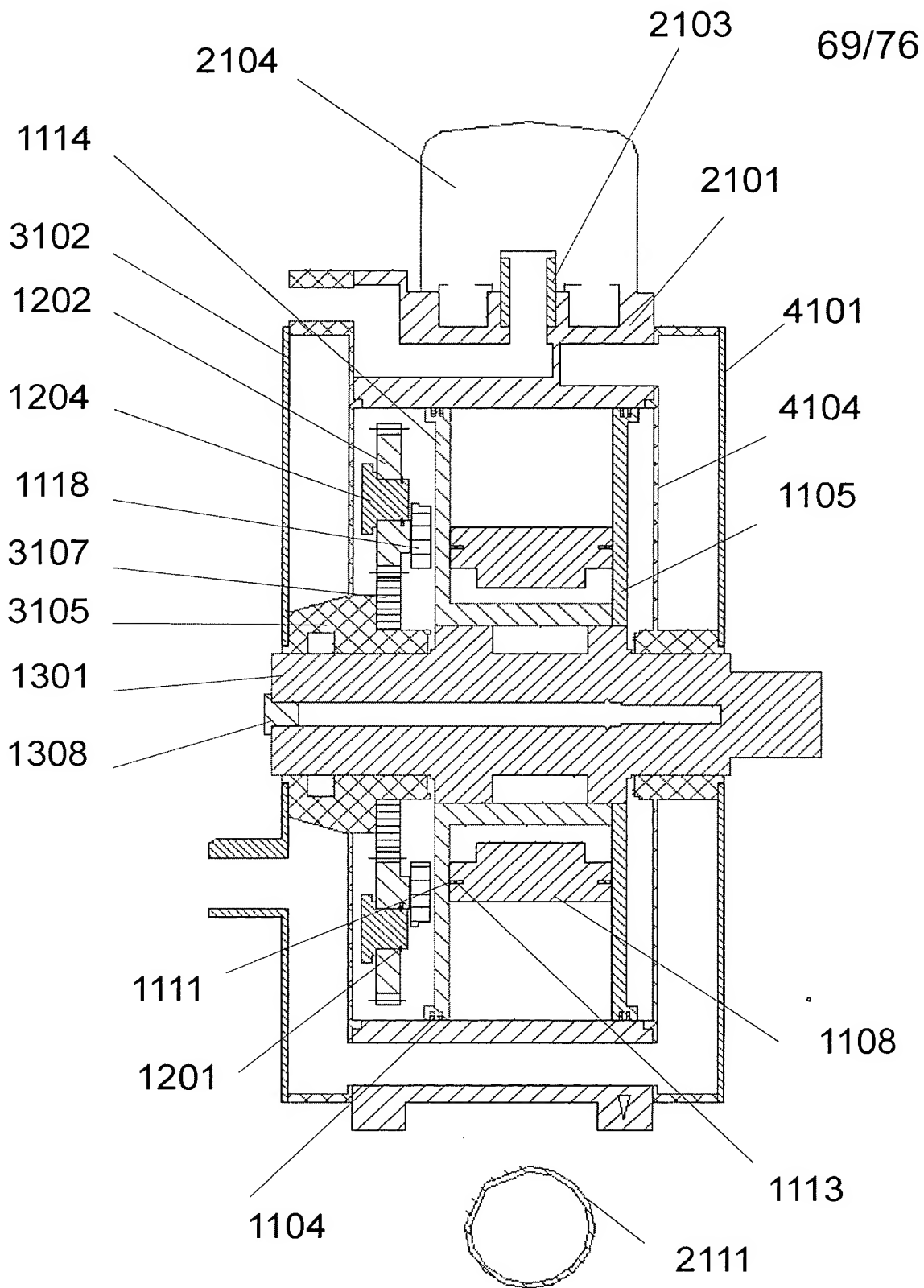


FIG. 77 - SECTION A-A

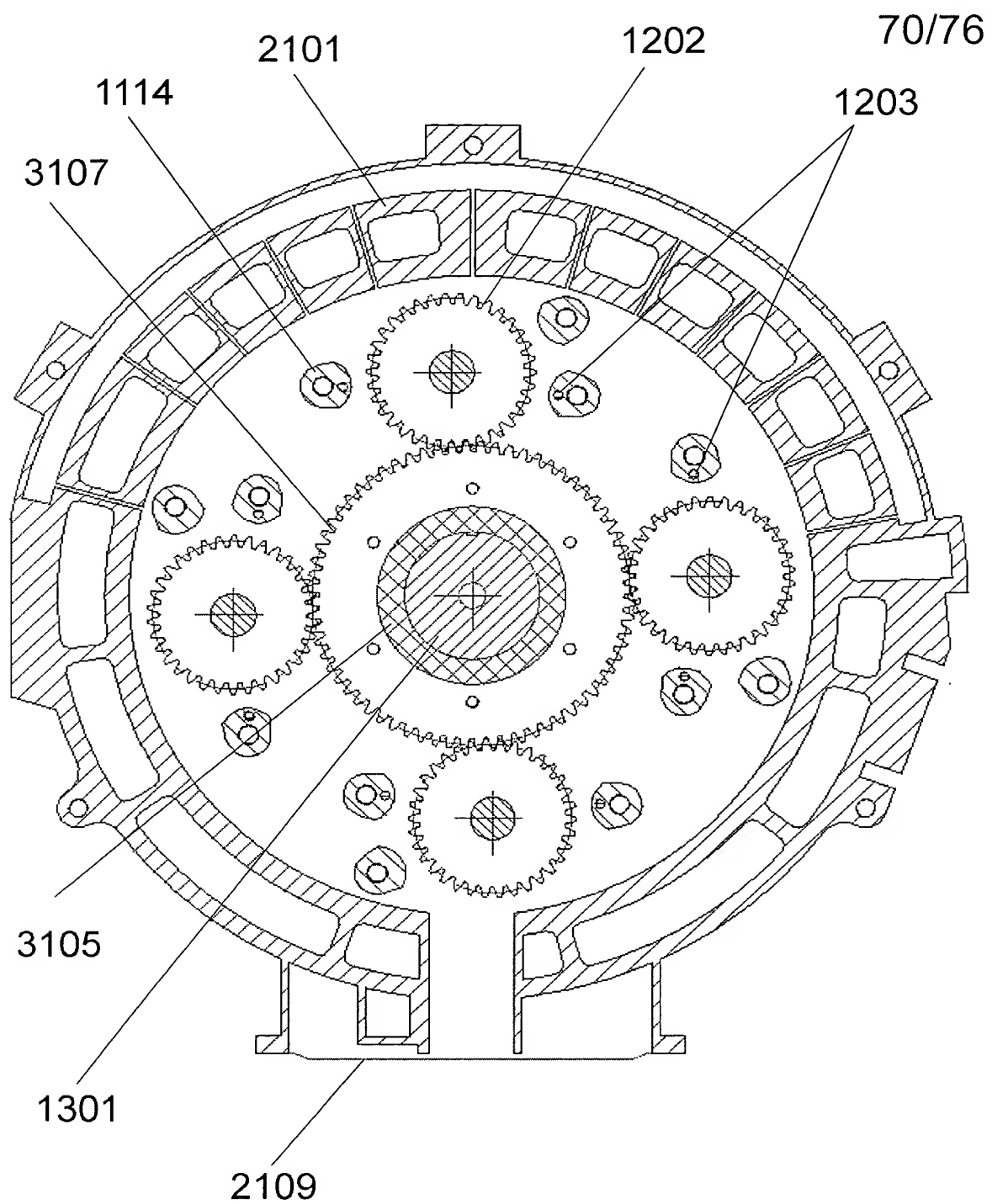


FIG. 78 - SECTION D-D

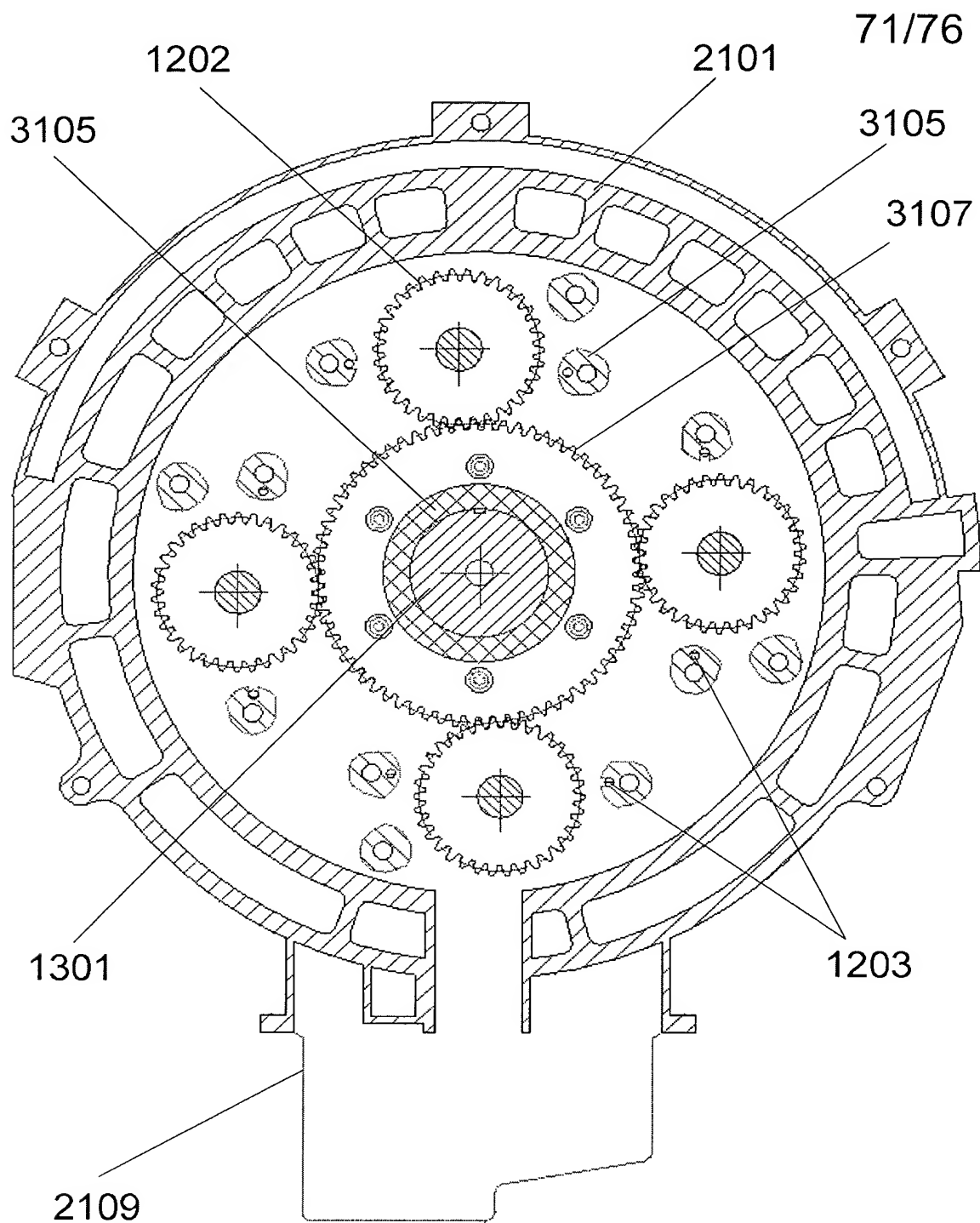


FIG. 79 - SECTION E-E

72/76

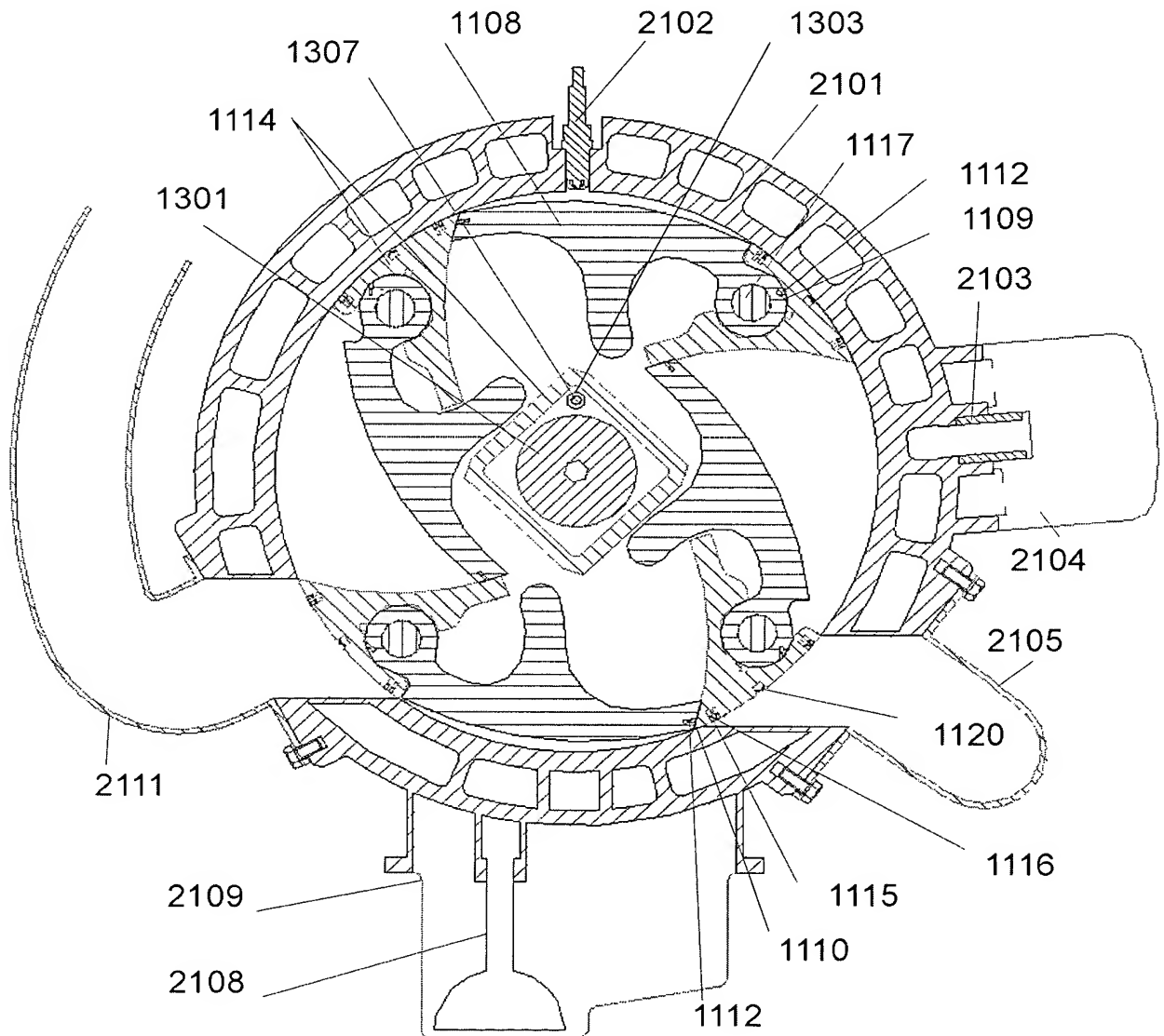


FIG. 80 - SECTION F-F



73/76

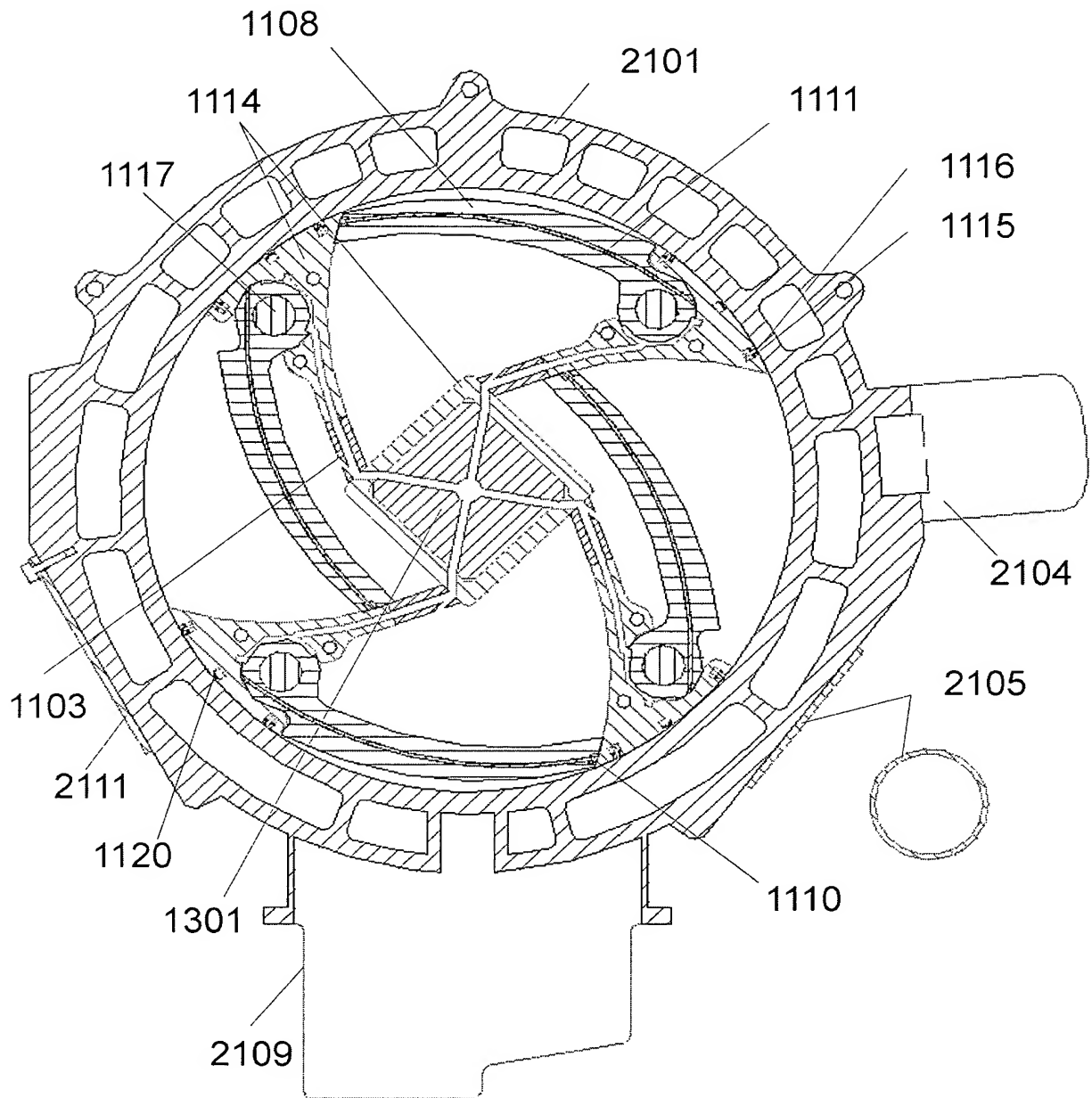


FIG. 81 - SECTION F-F

74/76

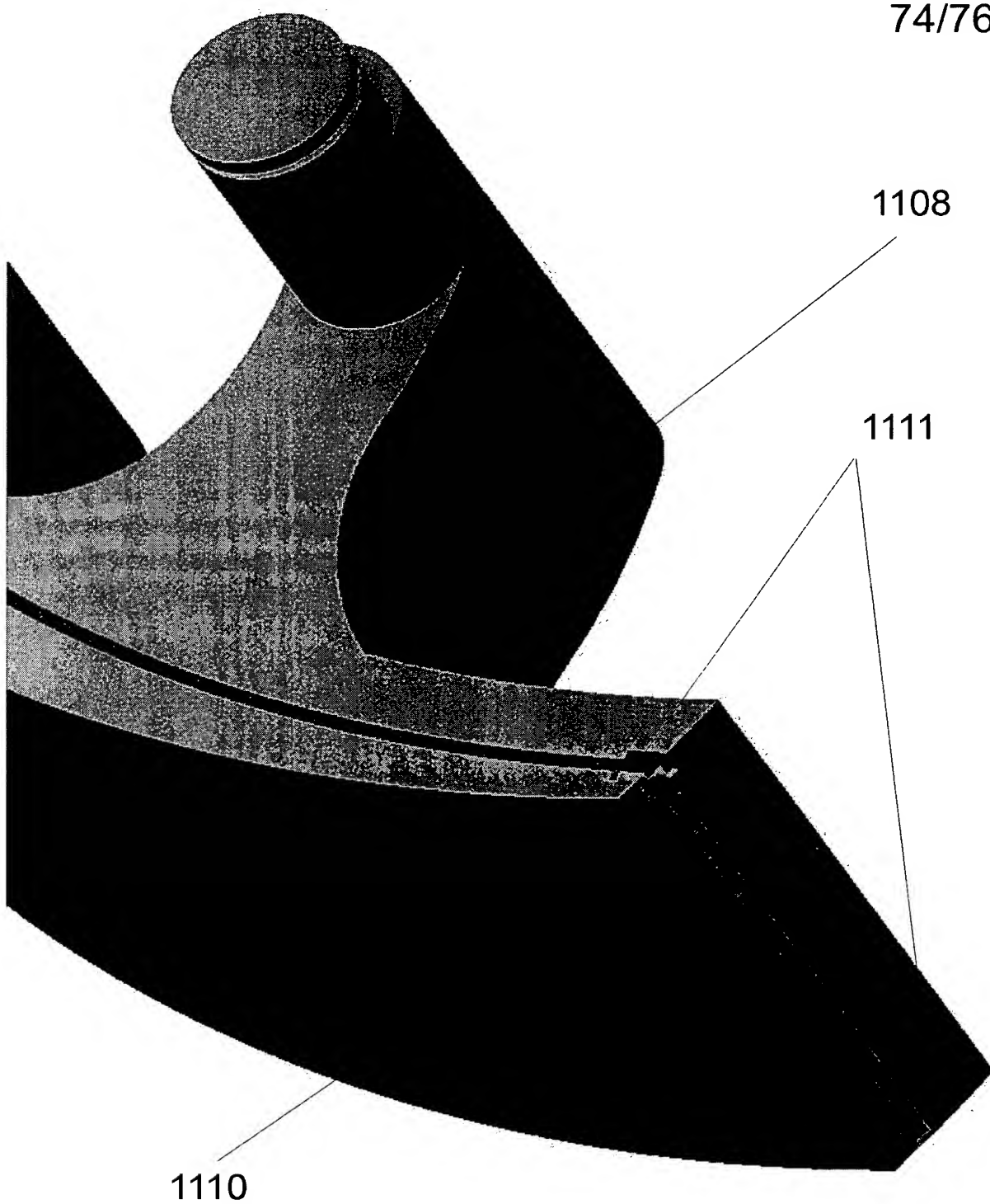


FIG. 82

75/76

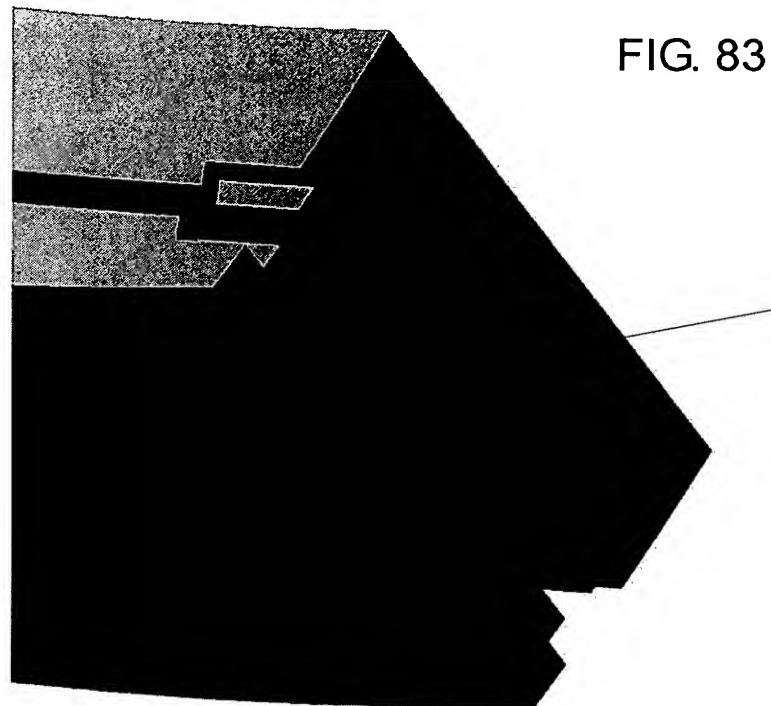


FIG. 83

1108

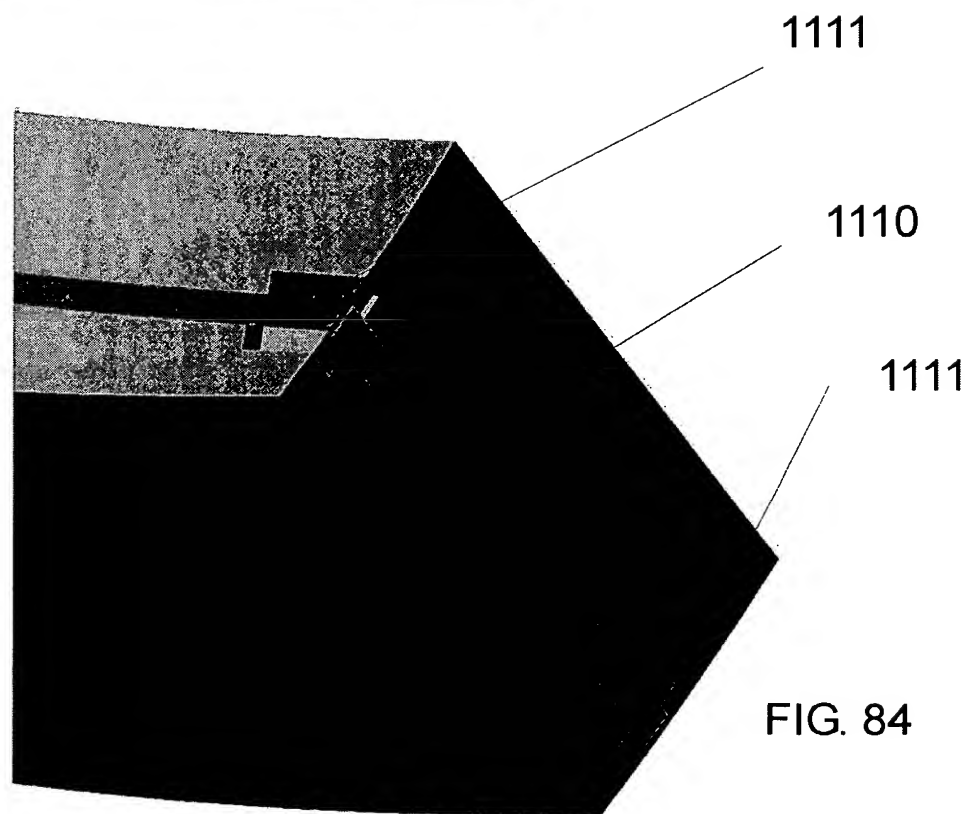


FIG. 84

76/76

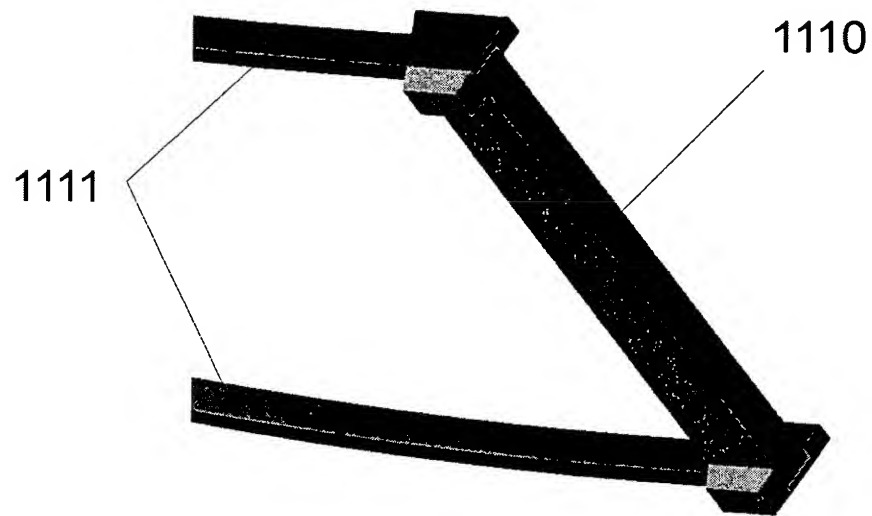


FIG. 85



FIG. 86

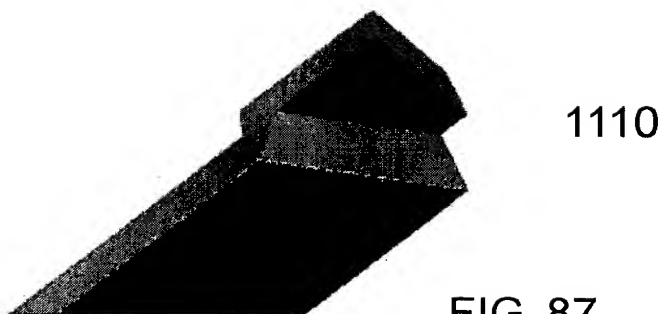


FIG. 87